

## **Index to *USP 39–NF 34, Second Supplement***

The following Index is for convenience and informational use only and shall not be used for interpretive purposes. In addition to official articles, this Index may also include items recently omitted from the *USP–NF* in the indicated Book or Supplement. The requirements stated in the [General Notices and Requirements](#) section of the *USP–NF* apply to all articles recognized in the *USP–NF* and to all general chapters unless specifically stated otherwise. Although this revision (*USP 39–NF 34 2S*) is generally official beginning December 1, 2016; particular provisions may indicate another earlier or later official date. In addition, the monographs and general chapters listed in this Index may reference other general chapter specifications. The articles listed in this Index are not intended to be autonomous standards and should only be interpreted in the context of the entire *USP–NF* publication. For the most current version of the *USP–NF* please see the [USP–NF Online](#)

# Combined Index to USP 39 and NF 34, including Second Supplement

Page citations refer to the pages of Volumes 1, 2, 3, and 4 of USP 39–NF 34 and its First and Second Supplement. This index is repeated in its entirety in each volume.

1–2280	Volume 1
2281–4454	Volume 2
4455–6446	Volume 3
6447–7608	Volume 4
7609–8194	First Supplement
8195–8863	Second Supplement

Numbers in angle brackets such as <421> refer to chapter numbers in the General Chapters section.

## A

- Abacavir  
 oral solution, 2281  
 sulfate, 2283  
 tablets, 2282  
 and lamivudine tablets, 7977
- Abiraterone  
 acetate, 2285  
 acetate tablets, 2286
- Absolute  
 alcohol, 2085  
 ether, 2084
- Absorbable  
 dusting powder, 3640  
 gelatin film, 4096  
 gelatin sponge, 4096  
 surgical suture, 5978
- Absorbent  
 cotton, 2084  
 gauze, 4094  
 odorless paper, 2131
- Acacia, 7137  
 syrup, 7137
- Acarbose, 2288
- Acebutolol hydrochloride, 2289  
 capsules, 2291
- Acepromazine maleate, 2292  
 injection, 2293  
 tablets, 2293
- Acesulfame potassium, 7138
- Acetal, 2084
- Acetaldehyde, 2084  
 TS, 2167
- Acetaminophen, 2294  
 aspirin and caffeine tablets, 2302  
 and aspirin tablets, 2301  
 butalbital and caffeine capsules, 2827  
 butalbital and caffeine tablets, 2828  
 and caffeine tablets, 2303, 7979  
 capsules, 2296  
 and (salts of) chlorpheniramine,  
 dextromethorphan, and  
 pseudoephedrine, capsules containing at  
 least three of the following, 2304  
 and (salts of) chlorpheniramine,  
 dextromethorphan, and  
 pseudoephedrine, oral powder  
 containing at least three of the  
 following, 2306  
 and (salts of) chlorpheniramine,  
 dextromethorphan, and  
 pseudoephedrine, oral solution  
 containing at least three of the  
 following, 2308  
 and (salts of) chlorpheniramine,  
 dextromethorphan, and  
 pseudoephedrine, tablets containing at  
 least three of the following, 2310  
 chlorpheniramine maleate, and  
 dextromethorphan hydrobromide  
 tablets, 2312  
 and codeine phosphate capsules, 2314  
 and codeine phosphate oral solution, 2315  
 and codeine phosphate oral suspension,  
 2316  
 and codeine phosphate tablets, 2317  
 dextromethorphan hydrobromide,  
 doxylamine succinate, and  
 pseudoephedrine hydrochloride oral  
 solution, 2318  
 and diphenhydramine citrate tablets, 2319  
 diphenhydramine hydrochloride, and  
 pseudoephedrine hydrochloride tablets,  
 2320  
 and hydrocodone bitartrate tablets, 4214  
 isometheptene mucate, and  
 dichloralphenazone capsules, 4407  
 and oxycodone capsules, 5225  
 and oxycodone tablets, 5227  
 and pentazocine tablets, 5326  
 and propoxyphene hydrochloride tablets,  
 5582  
 and propoxyphene napsylate tablets, 5587  
 and pseudoephedrine hydrochloride  
 tablets, 2322  
 oral solution, 2296  
 for effervescent oral solution, 2297  
 suppositories, 2298, 8571  
 oral suspension, 2298  
 tablets, 2299  
 extended-release tablets, 2300  
 and tramadol hydrochloride oral  
 suspension, 6214, 8851  
 and tramadol hydrochloride tablets, 2323
- Acetanilide, 2084
- Acetate  
 methyl, 2126
- Acetate buffer, 2166  
 TS, 2167
- Acetazolamide, 2325, 7980  
 for injection, 2325, 7981  
 oral suspension, 2326, 8572  
 tablets, 2327, 7982
- Acetic acid, 2084, 7139  
 ammonium acetate buffer TS, 2167  
 diluted, 2084, 7139  
 double-normal (2 N), 2177  
 glacial, 2084, 2327  
 glacial, TS, 2167  
 and hydrocortisone otic solution, 4223  
 irrigation, 2328  
 metaphosphoric, TS, 2172  
 otic solution, 2328  
 strong, TS, 2167
- Acetic acid in peptides, 357
- Acetic anhydride, 2084
- Acetohexamide, 2329  
 tablets, 2329
- Acetohydroxamic acid, 2329  
 tablets, 2330
- Acetone, 2084, 7140  
 anhydrous, 2084  
 neutralized, 2084, 2167
- Acetonitrile, 2084  
 spectrophotometric, 2084
- Acetophenone, 2084
- p-Acetotoluidide, 2084
- Acetylacetone, 2084
- Acetyl chloride, 2084
- Acetylcholine chloride, 2084, 2331  
 for ophthalmic solution, 2332

Acetylcysteine, 2333  
 and isoproterenol hydrochloride inhalation solution, 2334  
 solution, 2334  
*N*-Acetylglucosamine, 6447  
 3-Acetylthio-2-methylpropanoic acid, 2085  
 Acetyltributyl citrate, 7141  
 Acetyltriethyl citrate, 7141  
*N*-Acetyltyrosine, 6448  
*N*-Acetyl-L-tyrosine ethyl ester, 2085  
 Acid  
 acrylic, 2085  
 alpha lipoic, 6731  
 dehydroacetic, 7272  
 ferric chloride TS, 2167  
 ferrous sulfate TS, 2167  
 iminodiacetic, 2121  
 phthalate buffer, 2165  
 stannous chloride TS, 2167  
 stannous chloride TS, stronger, 2167  
 Acid-neutralizing capacity (301), 287  
 Acidulated phosphate and sodium fluoride topical solution, 5874  
 Acitretin, 2335  
 capsules, 2336  
 Acoustic emission (1005), 763  
 Acrylic acid, 2085  
 Activated  
 alumina, 2085  
 charcoal, 2085, 3080  
 magnesium silicate, 2085  
 Acyclovir, 2338  
 capsules, 2339  
 for injection, 2340  
 ointment, 2341  
 oral suspension, 2342  
 tablets, 2342  
 Adamantane, 2085  
 Adapalene, 2343  
 gel, 7983  
 Ademetionine disulfate tosylate, 6449  
 Adenine, 2346  
 sulfate, 2085  
 Adenosine, 2347  
 injection, 2348  
 Adipic acid, 2085, 7142  
 Admissions  
 to *NF* 34, 7125  
 to *USP* 39, xxxv  
 Adulteration of dietary supplements with drugs and drug analogs (2251), 7821  
 Advisory Groups, xx, 7621, 8207

---

## Aerosol

Bacitracin and polymyxin B sulfate topical, 2673  
 Benzocaine, butamben, and tetracaine hydrochloride topical, 2713  
 Benzocaine and menthol topical, 2716  
 Benzocaine topical, 2704  
 Betamethasone dipropionate topical, 2740  
 Dexamethasone sodium phosphate inhalation, 3407  
 Dexamethasone topical, 3398  
 Epinephrine bitartrate inhalation, 3715  
 Epinephrine inhalation, 3712  
 Ergotamine tartrate inhalation, 3736  
 Fluticasone propionate inhalation, 4001  
 Fluticasone propionate and salmeterol, inhalation, 4015

Inhalation and nasal drug products:  
 aerosols, sprays, and powders—  
 performance quality tests (601), 423  
 Isoetharine mesylate inhalation, 4401  
 Isoproterenol hydrochloride inhalation, 4415  
 Isoproterenol hydrochloride and phenylephrine bitartrate inhalation, 4417  
 Isoproterenol sulfate inhalation, 4420  
 Lidocaine topical, 4560  
 Metaproterenol sulfate inhalation, 4757  
 Polymyxin B sulfate and bacitracin zinc topical, 5446  
 Povidone-iodine topical, 5483  
 Terbutaline sulfate inhalation, 6055  
 Thimerosal topical, 6116  
 Tolnaftate topical, 6194  
 Triamcinolone acetonide topical, 6237

---

Agar, 2085, 7143  
 Agarose, 2085  
 Air, medical, 2348  
 Air-helium certified standard, 2085  
 Alanine, 2349  
 L-Alanyl-L-glutamine, 6450  
 Albendazole, 2350  
 oral suspension, 2351  
 tablets, 2351  
 Albumen TS, 2167  
 Albumin  
 bovine serum, 2085  
 human, 2352  
 rAlbumin human, 7144  
 Albuterol, 2353  
 sulfate, 2357  
 tablets, 2353  
 extended-release tablets, 2354  
 Alclometasone dipropionate, 2358  
 cream, 2359  
 ointment, 2360  
 Alcohol, 2085, 2361  
 70 percent, 80 percent, and 90 percent, 2085  
 absolute, 2085  
 aldehyde-free, 2085  
 alpha-(2-(methylamino)ethyl)benzyl, 2086  
 amyl, 2085  
 tert-amyl, 2089  
 butyl, 7186  
 dehydrated, 2085, 2363  
 dehydrated isopropyl, 2085  
 denaturated, 2085  
 denaturated, TS, 2170  
 determination (611), 454  
 in dextrose injection, 2365  
 diluted, 2086, 7146  
 injection, dehydrated, 2364  
 isobutyl, 2086  
 isopropyl, 2086  
 methyl, 2086  
 neutralized, 2086  
 phenol TS, 2167  
 n-propyl, 2086  
 rubbing, 2366  
 secondary butyl, 2086  
 tertiary butyl, 2086  
 Alcoholic  
 ammonia TS, 2167  
 mercuric bromide TS, 2167  
 potassium hydroxide TS, 2167  
 potassium hydroxide TS 2, 2174  
 TS, 2167  
 Alcoholometric table, 2274

Aldehyde dehydrogenase, 2086  
 Alendronate sodium, 2367, 7984  
 tablets, 2368  
 Alfadox, 7147  
 Alfentanil  
 hydrochloride, 2370  
 injection, 2370  
 Alfuzosin hydrochloride, 2371  
 extended-release tablets, 2372  
 Alginates assay (311), 288  
 Alginic acid, 7148  
 Alizarin complexone, 2086  
 Alkaline  
 borate buffer, 2166  
 cupric citrate TS, 2167  
 cupric citrate TS 2, 2167  
 cupric iodide TS, 2167  
 cupric tartrate TS, 2167  
 mercuric-potassium iodide TS, 2167  
 phosphatase enzyme, 2086  
 picrate TS, 2167  
 pyrogallol TS, 2174  
 sodium hydrosulfite TS, 2167  
 Alkyl (C12-15) benzoate, 7149  
 Alkylphenoxypolyethoxyethanol, 2086  
 Allantoin, 2377  
 Allopurinol, 2378  
 oral suspension, 2380, 8572  
 tablets, 2380  
 Allyl isothiocyanate, 2381  
 Almond oil, 7149  
 Almotriptan  
 tablets, 2384  
 Almotriptan malate, 2381  
 Aloe, 2385  
 Alpha  
 lipoic acid, 6731  
 Alpha-chymotrypsin, 2086  
 Alpha cyclodextrin hydrate, 2086  
 Alpha-(2-(methylamino)ethyl)benzyl alcohol, 2086  
 Alphanaphthol, 2086  
 Alphazurine 2C, 2162  
 Alprazolam, 2386  
 oral suspension, 2387, 8573  
 tablets, 2388  
 extended-release tablets, 2389, 7986  
 orally disintegrating tablets, 2393  
 Alprenolol hydrochloride, 2086  
 Alprostadil, 2395  
 injection, 2397  
 Alteplase, 2398  
 for injection, 2401  
 Alternative microbiological sampling methods for nonsterile inhaled and nasal products (610), 452  
 Altretamine, 2403  
 capsules, 2404  
 Alum, 2086  
 ammonium, 2086, 2405  
 potassium, 2137, 2405  
 Alumina, 2086  
 activated, 2086  
 anhydrous, 2086  
 aspirin, codeine phosphate, and magnesia tablets, 2616  
 aspirin, and magnesia tablets, 2610  
 aspirin, and magnesium oxide tablets, 2611  
 magnesia, and calcium carbonate chewable tablets, 2409  
 magnesia, calcium carbonate, and simethicone chewable tablets, 2410  
 magnesia, and calcium carbonate oral suspension, 2408

- Alumina (*continued*)  
 magnesia, and simethicone oral suspension, 2412  
 magnesia, and simethicone chewable tablets, 2414  
 and magnesia oral suspension, 2406  
 and magnesia tablets, 2407  
 magnesium carbonate, and magnesium oxide tablets, 2417  
 and magnesium carbonate oral suspension, 2415  
 and magnesium carbonate tablets, 2416  
 and magnesium trisilicate oral suspension, 2418  
 and magnesium trisilicate tablets, 2419
- Aluminon, 2086
- Aluminum, 2086  
 acetate topical solution, 2420  
 chloride, 2420  
 chlorohydrate, 2421  
 chlorohydrate solution, 2422  
 chlorohydrate polyethylene glycol, 2423  
 chlorohydrate propylene glycol, 2424  
 dichlorohydrate, 2425  
 dichlorohydrate solution, 2425  
 dichlorohydrate polyethylene glycol, 2427  
 dichlorohydrate propylene glycol, 2427  
 hydroxide gel, 2428  
 hydroxide gel, dried, 2428  
 hydroxide gel capsules, dried, 2429  
 hydroxide gel tablets, dried, 2429  
 monostearate, 7151  
 oxide, 7152  
 oxide, acid-washed, 2086  
 phosphate gel, 2430  
 potassium sulfate, 2087  
 sesquichlorohydrate, 2430  
 sesquichlorohydrate solution, 2431  
 sesquichlorohydrate polyethylene glycol, 2431  
 sesquichlorohydrate propylene glycol, 2432  
 subacetate topical solution, 2432  
 sulfate, 2433  
 sulfate and calcium acetate tablets for topical solution, 2434  
 zirconium octachlorohydrate, 2435  
 zirconium octachlorohydrate solution, 2436  
 zirconium octachlorohydrate gly, 2437  
 zirconium octachlorohydrate gly solution, 2438  
 zirconium pentachlorohydrate, 2439  
 zirconium pentachlorohydrate solution, 2440  
 zirconium pentachlorohydrate gly, 2441  
 zirconium pentachlorohydrate gly solution, 2442  
 zirconium tetrachlorohydrate, 2443  
 zirconium tetrachlorohydrate solution, 2444  
 zirconium tetrachlorohydrate gly, 2445  
 zirconium tetrachlorohydrate gly solution, 2446  
 zirconium trichlorohydrate, 2447  
 zirconium trichlorohydrate solution, 2448  
 zirconium trichlorohydrate gly, 2449  
 zirconium trichlorohydrate gly solution, 2450
- Aluminum (206), 236
- Aluminum sulfate  
 and calcium acetate for topical solution, 2433
- Amantadine hydrochloride, 2451  
 capsules, 2452  
 oral solution, 2453
- Amaranth, 2087  
 TS, 2167
- Amcinonide, 2453  
 cream, 2454  
 ointment, 2455
- American ginseng, 6452  
 capsules, 6456  
 extract, powdered, 6455  
 powdered, 6453  
 tablets, 6458
- Amifostine, 2455  
 for injection, 2456
- Amikacin, 2458  
 sulfate, 2459  
 sulfate injection, 2460
- Amiloride hydrochloride, 2461  
 and hydrochlorothiazide tablets, 2463  
 tablets, 2461
- Amiloxate, 2465
- Aminoacetic acid, 2087
- 4-Aminoantipyrine, 2087
- Aminobenzoate  
 potassium, 2466, 8573  
 potassium capsules, 2466  
 potassium for oral solution, 2467  
 potassium tablets, 2467  
 sodium, 2467, 8574
- Aminobenzoic acid, 2468  
 gel, 2469  
 topical solution, 2470
- p*-Aminobenzoic acid, 2087
- 2-Aminobenzonitrile, 2087
- Aminocaproic acid, 2470  
 injection, 2471  
 oral solution, 2471  
 tablets, 2472
- 4-Amino-6-chloro-1,3-benzenedisulfonamide, 2087
- 4-Amino-2-chlorobenzoic acid, 2087
- 2-Amino-5-chlorobenzophenone, 2087
- 7-Aminodesacetoxycephalosporanic acid, 2087
- 2-Aminoethyl diphenylborinate, 2087
- 1-(2-Aminoethyl)piperazine, 2087
- Aminoglutethimide, 2472  
 tablets, 2474
- Aminoguanidine bicarbonate, 2087
- 2-Aminoheptane, 2087
- N*-Amino-hexamethyleneimine, 2087
- Aminohippurate sodium injection, 2475
- Aminohippuric acid, 2475
- 4-Amino-3-hydroxy-1-naphthalenesulfonic acid, 2087
- Aminolevulinic acid  
 hydrochloride, 2476
- Amino methacrylate copolymer, 7153
- 1,2,4-Aminonaphtholsulfonic acid, 2088
- Aminonaphtholsulfonic acid TS, 2167
- Aminopentamide sulfate, 2477  
 injection, 2477  
 tablets, 2478
- 2-Aminophenol, 2088
- 4-Aminophenol in acetaminophen-containing drug products (227), 262
- m*-Aminophenol, 2088
- p*-Aminophenol, 2088
- Aminophylline, 2479  
 injection, 2480  
 oral solution, 2481  
 rectal solution, 2481  
 suppositories, 2482  
 tablets, 2483  
 delayed-release tablets, 2484
- 3-Amino-1-propanol, 2088
- 3-Aminopropionic acid, 2088
- Aminosalicilate sodium, 2485  
 tablets, 2486
- Aminosaliclic acid, 2488  
 tablets, 2489
- 3-Aminosaliclic acid, 2088
- Amiodarone  
 hydrochloride injection, 7990
- Amiodarone hydrochloride, 2490  
 oral suspension, 2492, 8575
- Amitraz, 2493, 8576  
 concentrate for dip, 2494, 8577
- Amitriptyline hydrochloride, 2494  
 and clordiazepoxide tablets, 3094  
 injection, 2496  
 and perphenazine tablets, 5348  
 tablets, 2496
- Amlodipine  
 oral suspension, 2497, 8578  
 and benazepril hydrochloride capsules, 2498  
 and valsartan tablets, 2500  
 valsartan and hydrochlorothiazide tablets, 2503
- Amlodipine besylate, 2506  
 tablets, 2507
- Ammonia  
 alcoholic TS, 2167  
 detector tube, 2088  
 N 13 injection, 5081  
 nitrate TS, silver, 2174  
 solution, diluted, 2088  
 solution, strong, 7155  
 spirit, aromatic, 2509  
 TS, 2167  
 TS 2, 2168  
 TS alcoholic, 2168  
 TS stronger, 2168  
 water, stronger, 2088  
 water, 25 percent, 2088
- Ammonia-ammonium chloride buffer TS, 2168
- Ammoniacal potassium ferricyanide TS, 2168
- Ammonia-cyanide TS, 2168
- Ammoniated cupric oxide TS, 2168
- Ammonio methacrylate copolymer, 7155  
 dispersion, 7157
- Ammonium  
 acetate, 2088  
 acetate TS, 2168  
 alum, 2405  
 bicarbonate, 2088  
 bisulfate, 2088  
 bromide, 2088  
 carbonate, 2088, 7158  
 carbonate TS, 2168  
 carbonate TS 2, 2168  
 chloride, 2088, 2509  
 chloride-ammonium hydroxide TS, 2168  
 chloride injection, 2509  
 chloride, potassium gluconate, and potassium citrate oral solution, 5472  
 chloride delayed-release tablets, 2510  
 chloride TS, 2168  
 citrate, dibasic, 2088  
 citrate, ferric, 2510  
 citrate for oral solution, ferric, 2511  
 dihydrogen phosphate, 2088  
 fluoride, 2088  
 formate, 2088
- Ammonium  
 glycyrrhizate, 7158  
 hydroxide, 2088  
 hydroxide 6 N, 2088  
 molybdate, 2088, 2511  
 molybdate injection, 2512

Ammonium (*continued*)  
 molybdate TS, 2168  
 nitrate, 2088  
 nitrate, ceric TS, 2169  
 nitrate TS, silver, 2175  
 oxalate, 2088  
 oxalate TS, 2168  
 persulfate, 2088  
 phosphate, 7159  
 phosphate, dibasic, 2088  
 phosphate, dibasic, TS, 2168  
 phosphate, monobasic, 2088  
 polysulfide TS, 2168  
 pyrrolidinedithiocarbamate, 2088  
 pyrrolidinedithiocarbamate, saturated, TS, 2168  
 reineckate, 2088  
 reineckate TS, 2168  
 sulfamate, 2089  
 sulfate, 2089, 7160  
 sulfate, cupric TS, 2169  
 sulfate, ferric TS, 2170  
 sulfide TS, 2168  
 thiocyanate, 2089  
 thiocyanate, tenth-normal (0.1 N), 2177  
 thiocyanate TS, 2168  
 vanadate, 2089  
 vanadate TS, 2168  
 Amobarbital sodium, 2513  
 for injection, 2513  
 and secobarbital sodium capsules, 5818  
 Amodiaquine, 2514  
 hydrochloride, 2515  
 hydrochloride tablets, 2516  
 Amoxapine, 2517, 7992  
 tablets, 2517  
 Amoxicillin, 2518  
 boluses, 2520  
 capsules, 2521  
 and clavulanate potassium for oral suspension, 2526  
 and clavulanate potassium tablets, 2526  
 and clavulanic acid extended-release tablets, 2527, 7993  
 for injectable suspension, 2522  
 intramammary infusion, 2521  
 oral suspension, 2522  
 for oral suspension, 2523  
 tablets, 2523  
 tablets for oral suspension, 2524  
 Amphetamine  
 sulfate, 2530  
 sulfate tablets, 2531  
 Amphotericin B, 2532  
 cream, 2533  
 for injection, 2533  
 lotion, 2533  
 ointment, 2534  
 Ampicillin, 2534  
 boluses, 2539  
 capsules, 2540  
 for injectable suspension, 2542  
 for injection, 2541  
 and probenecid for oral suspension, 2545  
 sodium, 2546  
 soluble powder, 2542  
 and sulbactam for injection, 2547  
 for oral suspension, 2543  
 tablets, 2544  
 Amprolium, 2548  
 soluble powder, 2549  
 oral solution, 2549  
 Amyl  
 acetate, 2089  
 alcohol, 2089

nitrite, 2550  
 nitrite inhalant, 2550  
 $\alpha$ -Amylase, 2089  
 Amylene hydrate, 7161  
*tert*-Amyl alcohol, 2089  
 Anagrelide  
 capsules, 2552  
 hydrochloride, 2551  
 Analysis of biological assays (1034), 877  
 Analytical data—interpretation and treatment (1010), 767  
 Analytical instrument qualification (1058), 1055  
 Analytical procedures for recombinant therapeutic monoclonal antibodies (129), 204  
 Anastrozole, 2554  
 tablets, 2555  
 Ancillary materials for cell, gene, and tissue-engineered products (1043), 896  
 Andrographis, 6459  
 extract, powdered, 6463  
 powdered, 6461  
 Anethole, 7161  
 (*E*)-Anethole, 2089  
 Angustifolia  
 extract, powdered echinacea, 6594  
 powdered echinacea, 6591

---

## Anhydrous

acetone, 2084  
 alumina, 2089  
 barium chloride, 2089  
 calcium chloride, 2089  
 calcium phosphate, dibasic, 2889  
 citric acid, 3186  
 cupric sulfate, 2089  
 dibasic sodium phosphate, 2089  
 magnesium perchlorate, 2089  
 magnesium sulfate, 2089  
 methanol, 2089  
 potassium carbonate, 2089  
 sodium acetate, 2089  
 sodium carbonate, 2089  
 sodium phosphate, monobasic, 2149  
 sodium sulfate, 2089  
 sodium sulfite, 2089

---

Anileridine, 2557  
 hydrochloride, 2558  
 hydrochloride tablets, 2559  
 injection, 2557  
 Aniline, 2089  
 blue, 2089  
 sulfate, 2089  
 Animal drugs for use in animal feeds (1152), 1468  
 Anion-exchange resin  
 strong, lightly cross-linked, in the chloride form, 2089  
 50- to 100-mesh, styrene-divinylbenzene, 2090  
 styrene-divinylbenzene, 2089  
*p*-Anisaldehyde, 2090  
 Anise oil, 7163  
*p*-Anisidine, 2090  
 Anisole, 2090  
 Annotations  
 to *NF* 34, 7126  
 to *USP* 39, xxxviii

Antazoline phosphate, 2559  
 Anthracene, 2090  
 Anthralin, 2561  
 cream, 2562  
 ointment, 2562  
 Anthrax vaccine adsorbed, 2563  
 Anthrone, 2090  
 TS, 2168  
 Antibiotics—microbial assays (81), 143  
 Anticoagulant  
 citrate dextrose solution, 2566  
 citrate phosphate dextrose solution, 2568  
 citrate phosphate dextrose adenine solution, 2569  
 heparin solution, 4187  
 sodium citrate solution, 2571  
 Anti-D reagent, 2090  
 Anti-D (Rh<sub>0</sub>) reagent, 2090  
 Anti-factor Xa and anti-factor IIa assays for unfractionated and low molecular weight heparins (208), 242  
 Antifoam reagent, 2090  
 Antihuman globulin reagent, 2091  
 Antimicrobial  
 agents—content (341), 290, 8320  
 effectiveness testing (51), 111  
 Antimony  
 pentachloride, 2091  
 potassium tartrate, 2571  
 sodium tartrate, 2572  
 trichloride, 2091  
 trichloride TS, 2168  
 Antipyrine, 2572  
 and benzocaine otic solution, 2573  
 benzocaine, and phenylephrine  
 hydrochloride otic solution, 2574  
 Antithrombin III, 2091  
 human, 2575, 8579  
 Apomorphine hydrochloride, 2576  
 tablets, 2577  
 Apparent intrinsic dissolution—dissolution testing procedures for rotating disk and stationary disk (1087), 1179  
 Applications of mass spectrometry (1736), 1907  
 Applications of nuclear magnetic resonance spectroscopy (1761), 1929  
 Application of water activity determination to nonsterile pharmaceutical products (1112), 1322  
 Apraclonidine  
 hydrochloride, 2578  
 ophthalmic solution, 2579  
 Aprepitant, 2580  
 capsules, 2581  
 Aprobarbital, 2091  
 Aprotinin, 2583  
 injection, 2585  
 Arcitumomab injection, technetium Tc 99m, 6016  
 Argatroban, 7996  
 Arginine, 2587  
 capsules, 6464  
 hydrochloride, 2588  
 hydrochloride injection, 2589  
 tablets, 6465  
 Aripiprazole, 2589, 8581  
 orally disintegrating tablets, 2592  
 tablets, 2590  
 Aromatic  
 castor oil, 2970  
 elixir, 7163  
 Arsanilic acid, 2594  
 Arsenazo III acid, 2091

- Arsenic  
 in reagents, 2080  
 trioxide, 2091  
 Arsenic (211), 248  
 Articaine  
 hydrochloride, 2595  
 hydrochloride and epinephrine injection, 2596  
 Articles  
 admitted to *NF 34* by supplements, 7125  
 admitted to *USP 39* by supplements, xxxv  
 included in *USP 38* but not included in *USP 39*, xxxvii  
 appearing in *USP 39* that were not included in *USP 38* including supplements, xxxvi  
 of Incorporation, xxx  
 Articles of botanical origin (561), 377  
 Ascorbic Acid, 2598, 8456  
 injection, 2599  
 oral solution, 2599  
 tablets, 2600  
 10% TS, 8457  
 Ascorbyl palmitate, 7163  
 Ashwagandha root, 6466  
 extract, powdered, 6469  
 powdered, 6467  
 Asian ginseng, 6471  
 extract, powdered, 6473  
 powdered, 6472  
 tablets, 6474  
 Asparagine, 7164  
 L-Asparagine, 2091  
 Aspart  
 insulin, 4318  
 Aspartame, 7165  
 acesulfame, 7166  
 Aspartic acid, 2601  
 L-Aspartic acid, 2092  
 Aspirin, 2602  
 acetaminophen and caffeine tablets, 2302  
 and acetaminophen tablets, 2301  
 alumina and magnesia tablets, 2610  
 alumina and magnesium oxide tablets, 2611  
 boluses, 2603  
 butalbital, and caffeine capsules, 2830  
 butalbital, caffeine, and codeine phosphate capsules, 2833  
 butalbital, and caffeine tablets, 2832  
 and butalbital tablets, 2829  
 caffeine, and dihydrocodeine bitartrate capsules, 2614  
 capsules, 2604  
 delayed-release capsules, 2605  
 carisoprodol, and codeine phosphate tablets, 2947  
 and carisoprodol tablets, 2946  
 codeine phosphate, alumina, and magnesia tablets, 2616  
 and codeine phosphate tablets, 2615  
 effervescent tablets for oral solution, 2609  
 orphenadrine citrate and caffeine tablets, 5172  
 and oxycodone tablets, 5228  
 and pentazocine tablets, 5327  
 propoxyphene hydrochloride, and caffeine capsules, 5583  
 and propoxyphene napsylate tablets, 5588  
 suppositories, 2605  
 tablets, 2606  
 tablets, buffered, 2607  
 delayed-release tablets, 2608  
 extended-release tablets, 2609
- Assay  
 alginates (311), 288  
 antibiotics, iodometric (425), 323  
 for citric acid/citrate and phosphate (345), 293  
 cobalamin radiotracer (371), 294  
 dexpanthenol (115), 191  
 epinephrine (391), 301  
 folic acid (411), 315  
 niacin or niacinamide (441), 331  
 riboflavin (481), 356  
 single-steroid (511), 360  
 for steroids (351), 294  
 thiamine (531), 366  
 vitamin A (571), 405  
 vitamin B<sub>12</sub> activity (171), 224  
 vitamin D (581), 413  
 vitamin E (551), 370  
 Assays  
 antibiotics—microbial (81), 143  
 design and analysis of biological (111), 187  
 insulin (121), 193  
 Assessment of drug product performance—  
 bioavailability, bioequivalence, and  
 dissolution (1090), 1194  
 Assessment of drug product leachables  
 associated with pharmaceutical packaging/  
 delivery systems (1664), 1850  
 Assessment of extractables associated with  
 pharmaceutical packaging/delivery systems  
 (1663), 1835  
 Astaxanthin esters, 6476  
 Astemizole, 2618  
 tablets, 2618  
 Astragalus root, 6478  
 dry extract, 6480  
 powder, 6482  
 Atenolol, 2619  
 and chlorthalidone tablets, 2623  
 injection, 2620  
 oral solution, 2621, 8582  
 tablets, 2621  
 Atenolol compounded  
 oral suspension, 2622  
 Atenolol compounded, veterinary  
 oral suspension, 2622  
 Atomic absorption spectroscopy (852), 708  
 Atomic absorption spectroscopy—theory and  
 practice (1852), 1976  
 Atomic masses, 2272  
 Atomic weights, 2269  
 Atomoxetine  
 capsules, 2624, 8000  
 Atomoxetine hydrochloride, 2626, 7998  
 Atorvastatin calcium, 2627  
 Atovaquone, 2631  
 oral suspension, 2633  
 Atracurium besylate, 2634  
 injection, 2636  
 Atropine, 2637  
 sulfate, 2638  
 sulfate and diphenoxylate hydrochloride  
 oral solution, 3538  
 sulfate and diphenoxylate hydrochloride  
 tablets, 3538  
 sulfate injection, 2639  
 sulfate ophthalmic ointment, 2640  
 sulfate ophthalmic solution, 2641  
 sulfate tablets, 2642  
 Attapulgit, activated, 2643  
 colloidal, 2643  
 Aurothioglucose, 2643  
 injectable suspension, 2644
- Automated radiochemical synthesis apparatus  
 (1015), 782  
 Auxiliary packaging components (670), 510  
 Avobenzene, 2644  
 Azaperone, 2645  
 injection, 2645  
 Azatadine maleate, 2646  
 tablets, 2647  
 Azathioprine, 2648  
 oral suspension, 2649, 8583  
 sodium for injection, 2651  
 tablets, 2650  
 Azelastine hydrochloride, 2652, 8583  
 Azithromycin, 2653  
 capsules, 2657  
 for injection, 2658  
 for oral suspension, 2661  
 tablets, 2662  
 Azo violet, 2162  
 Aztec marigold zeaxanthin  
 extract, 6484  
 Aztreonam, 2665  
 injection, 2667  
 for injection, 2668  
 Azure A, 2092
- B**
- Bacillus subtilis* subsp. *subtilis* Menaquinone-7  
 Extract, 6757  
 Bacitracin, 2670  
 for injection, 2671  
 methylene disalicylate, soluble, 2673  
 methylene disalicylate soluble powder,  
 2673  
 neomycin and polymyxin B sulfates and  
 hydrocortisone acetate ointment, 5026  
 neomycin and polymyxin B sulfates and  
 hydrocortisone acetate ophthalmic  
 ointment, 5026  
 neomycin and polymyxin B sulfates and  
 lidocaine ointment, 5027  
 and neomycin and polymyxin B sulfates  
 ointment, 5025  
 and neomycin and polymyxin B sulfates  
 ophthalmic ointment, 5025  
 and neomycin sulfate ointment, 5012  
 ointment, 2672  
 ophthalmic ointment, 2672  
 and polymyxin B sulfate topical aerosol,  
 2673  
 zinc, 2674  
 zinc, neomycin and polymyxin B sulfates,  
 and hydrocortisone ointment, 5029  
 zinc, neomycin and polymyxin B sulfates,  
 and hydrocortisone ophthalmic  
 ointment, 5029  
 zinc, neomycin and polymyxin B sulfates,  
 and hydrocortisone acetate ophthalmic  
 ointment, 5030  
 zinc, neomycin and polymyxin B sulfates,  
 and lidocaine ointment, 5031  
 zinc and neomycin and polymyxin B  
 sulfates ointment, 5028  
 zinc and neomycin and polymyxin B  
 sulfates ophthalmic ointment, 5028  
 zinc and neomycin sulfate ointment, 5013  
 zinc ointment, 2676  
 zinc and polymyxin B sulfate topical  
 aerosol, 5446

- Bacitracin (*continued*)  
 zinc and polymyxin B sulfate ointment, 2676  
 zinc and polymyxin B sulfate ophthalmic ointment, 2677  
 zinc and polymyxin B sulfate topical powder, 5446  
 zinc soluble powder, 2676
- Baclofen, 2678  
 oral suspension, 2679, 8585  
 tablets, 2679
- Bacopa, 6486  
 extract, powdered, 6489  
 powdered, 6488
- Bacterial  
 alkaline protease preparation, 2092  
 endotoxins test (85), 161
- Bacteriostatic  
 sodium chloride injection, 5867  
 water for injection, 6390
- Balances (41), 110
- Balsalazide disodium, 2680  
 capsules, 2682
- Banaba leaf, 6491  
 extract, dry, 6494  
 powder, 6492
- Bandage  
 adhesive, 2683  
 gauze, 2684
- Barbital sodium, 2092
- Barbituric acid, 2092
- Barium  
 acetate, 2092  
 chloride, 2092  
 chloride, anhydrous, 2092  
 chloride dihydrate, 2092  
 chloride TS, 2168  
 hydroxide, 2092  
 hydroxide lime, 2684, 8002  
 hydroxide TS, 2168  
 nitrate, 2092  
 nitrate TS, 2168  
 sulfate, 2685  
 sulfate for suspension, 2687  
 sulfate paste, 2686  
 sulfate suspension, 2687  
 sulfate tablets, 2688
- Basic fuchsin, 2092
- BCG live, 2689
- BCG vaccine, 2689
- Beclomethasone, 2092
- Beclomethasone dipropionate, 2690
- Beclomethasone dipropionate compounded oral solution, 2690
- Beef extract, 2092
- Behenoyl polyoxyglycerides, 7167
- Belladonna  
 leaf, 2691  
 extract, 2692  
 extract tablets, 2693  
 tincture, 2694
- Benazepril hydrochloride, 2694  
 and amlodipine hydrochloride capsules, 2498  
 tablets, 2696
- Benazepril hydrochloride compounded, veterinary  
 oral suspension, 2697
- Bendroflumethiazide, 2698  
 and nadolol tablets, 4975  
 tablets, 2699
- Benoxinate hydrochloride, 2699  
 and fluorescein sodium ophthalmic solution, 3962  
 ophthalmic solution, 2700
- Bentonite, 7168  
 magma, 7171  
 purified, 7169
- Benzaldehyde, 2092, 7171  
 elixir, compound, 7172
- Benzalkonium chloride, 2092, 7173  
 solution, 7175, 8553
- Benzamide hydrochloride hydrate, 2092
- Benzanilide, 2092
- Benzene, 2092
- Benzenesulfonamide, 2092
- Benzenesulfonyl chloride, 2092
- Benzethonium chloride, 2700  
 concentrate, 2701  
 topical solution, 2701  
 tincture, 2702
- Benzhydrol, 2092
- Benzocaine, 2703  
 topical aerosol, 2704  
 and antipyrine otic solution, 2573  
 antipyrine, and phenylephrine hydrochloride otic solution, 2574  
 butamben, and tetracaine hydrochloride topical aerosol, 2713  
 butamben, and tetracaine hydrochloride gel, 2714  
 butamben, and tetracaine hydrochloride ointment, 2715  
 butamben, and tetracaine hydrochloride topical solution, 2715  
 cream, 2705  
 gel, 2707  
 lozenges, 2708  
 and menthol topical aerosol, 2716  
 ointment, 2709  
 otic solution, 2711  
 topical solution, 2712
- Benzoic  
 acid, 2092, 2718  
 and salicylic acids ointment, 2719
- Benzoin, 2720  
 tincture, compound, 2720
- Benzonate, 2721  
 capsules, 2721
- Benzophenone, 2092
- p*-Benzoquinone, 2093
- Benzoyl  
 chloride, 2093  
 peroxide and erythromycin topical gel, 3751  
 peroxide gel, 2723  
 peroxide, hydrous, 2722  
 peroxide lotion, 2724
- N*-Benzoyl-L-arginine ethyl ester hydrochloride, 2093
- 3-Benzoylbenzoic acid, 2093
- Benzoylformic acid, 2093
- Benzphetamine hydrochloride, 2093
- Benztropine mesylate, 2725  
 injection, 2725  
 tablets, 2726
- Benzyl  
 alcohol, 7177  
 benzoate, 2727  
 benzoate lotion, 2728
- 2-Benzylaminopyridine, 2093
- 1-Benzylimidazole, 2093
- Benzylpenicilloyl polylysine concentrate, 2728  
 injection, 2729
- Benzyltrimethylammonium chloride, 2093
- Beta carotene, 2729  
 capsules, 2731  
 preparation, 6495, 8531
- Betadex, 7179  
 sulfobutyl ether sodium, 7181
- Beta glucan, 6497
- Betahistine hydrochloride, 2732
- Betaine hydrochloride, 2733
- Betamethasone, 2733  
 acetate, 2737  
 acetate and betamethasone sodium phosphate injectable suspension, 2745  
 acetate and gentamicin sulfate ophthalmic solution, 4106  
 benzoate, 2738  
 benzoate gel, 2739  
 cream, 2734  
 dipropionate, 2739  
 dipropionate topical aerosol, 2740  
 dipropionate and clotrimazole cream, 3262  
 dipropionate cream, 2741  
 dipropionate lotion, 2742  
 dipropionate ointment, 2743  
 sodium phosphate, 2743  
 sodium phosphate and betamethasone acetate injectable suspension, 2745  
 sodium phosphate injection, 2745  
 oral solution, 2735  
 tablets, 2736  
 valerate, 2746  
 valerate cream, 2747  
 valerate and gentamicin sulfate ointment, 4106  
 valerate and gentamicin sulfate otic solution, 4107  
 valerate and gentamicin sulfate topical solution, 4108  
 valerate lotion, 2748  
 valerate ointment, 2748
- Betanaphthol, 2093  
 TS, 2168
- Betaxolol  
 hydrochloride, 2749  
 ophthalmic solution, 2749  
 tablets, 2750
- Bethanechol chloride, 2751  
 injection, 2752  
 oral solution, 2753, 8585  
 oral suspension, 2754, 8586  
 tablets, 2754
- Beta-lactamase, 2093
- Bibenzyl, 2093
- Bicalutamide, 2756  
 tablets, 2757
- Bilberry  
 extract, powdered, 6500
- Bile salts, 2093
- Bioburden control of nonsterile drug substances and products (1115), 1329
- Biocompatibility of materials used in drug containers, medical devices, and implants, the (1031), 834
- Biological  
 assay chapters—overview and glossary (1030), 823  
 assay validation (1033), 862  
 biological indicators for sterilization (1229.5), 7815  
 indicator for dry-heat sterilization, paper carrier, 2758, 8002  
 indicator for ethylene oxide sterilization, paper carrier, 2759, 8003  
 indicator for steam sterilization, paper carrier, 2762  
 indicator for steam sterilization, self-contained, 2763, 8007

Biological (*continued*)  
 indicators for moist heat, dry heat, and gaseous modes of sterilization, liquid spore suspensions, 2760, 8004  
 indicators for moist heat, dry heat, and gaseous modes of sterilization, nonpaper carriers, 2761, 8005  
 indicators—resistance performance tests (55), 114, 7694  
 indicators for sterilization (1035), 890, 7740  
 reactivity tests, in vitro (87), 167, 7697  
 reactivity tests, in vivo (88), 169  
 Biologics (1041), 895  
 Biotechnology products: stability testing of biotechnological/biological products, quality of (1049), 991  
 Biotechnology-derived articles  
 amino acid analysis (1052), 1011  
 isoelectric focusing (1054), 1032  
 peptide mapping (1055), 1035  
 polyacrylamide gel electrophoresis (1056), 1041  
 total protein assay (1057), 1049  
 Biotechnology-derived articles, 917  
 Biotechnology products derived from cell lines of human or animal origin, viral safety evaluation of (1050), 996  
 Biotin, 2764  
 capsules, 2765  
 tablets, 2765  
 Biperiden, 2766  
 hydrochloride, 2767  
 hydrochloride tablets, 2767  
 lactate injection, 2768  
 Biphenyl, 2094  
 2,2'-Bipyridine, 2094  
 Bis(4-sulfobutyl) ether disodium, 2094  
 Bisacodyl, 2769  
 rectal suspension, 2771  
 suppositories, 2770  
 delayed-release tablets, 2771  
 4,4'-Bis(4-amino-naphthylazo)-2,2'-stilbenedisulfonic acid, 2094  
 Bis(2-ethylhexyl)  
 maleate, 2094  
 (phosphoric acid), 2094  
 phthalate, 2094  
 sebacate, 2094  
 Bismuth, 2094  
 citrate, 2773  
 iodide TS, potassium, 2174  
 milk of, 2772  
 nitrate pentahydrate, 2094  
 nitrate, 0.01 mol/L, 2177  
 subcarbonate, 2773  
 subgallate, 2774  
 subnitrate, 2094, 2775  
 subsalicylate, 2776  
 subsalicylate magma, 2777  
 subsalicylate oral suspension, 2779, 8587  
 subsalicylate tablets, 2780  
 sulfite, 2162  
 sulfite agar, 2094  
 Bisoctrizole, 2780, 8008  
 Bisoprolol fumarate, 2782  
 and hydrochlorothiazide tablets, 2783  
 tablets, 2782  
 Bis(trimethylsilyl)  
 acetamide, 2094  
 trifluoroacetamide, 2094  
 trifluoroacetamide with  
 trimethylchlorosilane, 2094  
 Biuret reagent TS, 2168

Black cohosh, 6501  
 fluidextract, 6507  
 powdered, 6504  
 powdered extract, 6506  
 tablets, 6509  
 Black pepper, 6511  
 extract, powdered, 6514  
 powdered, 6513  
 Bleomycin  
 for injection, 2785  
 sulfate, 2785

---

## Blood

Blood, 2095  
 Group A, red blood cells and blood group B red blood cells, 2095  
 Grouping reagent, anti-A, grouping reagent, anti-B, and grouping reagent, anti-AB, 2095  
 Technetium Tc 99m red blood cells injection, 6030

---

## Blue

B, oracet, 2163  
 B TS, oracet, 2173  
 G TS, brilliant, 2168  
 tetrazolium, 2095  
 tetrazolium TS, 2168  
 Board of trustees  
 USP Convention (2015–2020), xi, 7615, 8201  
 Boiling or distilling range for reagents, 2080  
 Boldine, 2095

## Boluses

amoxicillin, 2520  
 ampicillin, 2539  
 aspirin, 2603  
 dihydrostreptomycin sulfate, 3498  
 neomycin, 5010  
 phenylbutazone, 5373  
 tetracycline, 6079  
 Borage seed oil, 6516  
 capsules, 6516  
 Boric acid, 2095, 7184  
 (–)-Bornyl acetate, 2095  
 Boron trifluoride, 2095  
 14% Boron trifluoride–methanol, 2095

Boswellia serrata, 6518  
 extract, 6519

## Botanical

extracts (565), 403  
 origin, identification of articles of (563), 391  
 Bovine collagen, 2095  
 Bovine serum (1024), 784  
 7 percent bovine serum albumin certified standard, 2095  
 Branched polymeric sucrose, 2095  
 Breylium tosylate, 2786  
 in dextrose injection, 2787  
 injection, 2787

## Brilliant

blue G TS, 2168  
 green, 2162  
 yellow, 2162  
 Brinzolamide, 2788  
 ophthalmic suspension, 2789  
 Bromelain, 2095  
 Bromine, 2096  
 sodium acetate TS, 2168

tenth-normal (0.1 N), 2178  
 TS, 2168  
 $\alpha$ -Bromo-2'-acetonephthone, 2096  
 $p$ -Bromoaniline, 2096  
 TS, 2168  
 Bromocresol  
 blue, 2162  
 blue TS, 2168  
 green, 2162  
 green-methyl red TS, 2169  
 green sodium salt, 2162  
 green TS, 2168  
 purple, 2162  
 purple sodium salt, 2162  
 purple TS, 2169  
 Bromocriptine mesylate, 2790  
 capsules, 2792  
 tablets, 2793  
 Bromodiphenhydramine hydrochloride, 2795  
 and codeine phosphate oral solution, 2795  
 oral solution, 2795  
 Bromofluoromethane, 2096  
 Bromophenol blue, 2162  
 sodium, 2163  
 TS, 2169  
 N-Bromosuccinimide, 2096  
 Bromothymol blue, 2163  
 TS, 2169  
 Brompheniramine maleate, 2796  
 injection, 2797  
 and pseudoephedrine sulfate oral solution, 2799  
 oral solution, 2798  
 tablets, 2798  
 Brucine sulfate, 2096  
 Budesonide, 2799

---

## Buffer

Acetate, 2165  
 Acetate TS, 2167  
 Acetic acid–ammonium acetate TS, 2167  
 Acetone buffered, TS, 2167  
 Acid phthalate, 2166  
 Alkaline borate, 2166  
 Ammonia–ammonium chloride TS, 2168  
 Hydrochloric acid, 2166  
 Neutralized phthalate, 2166  
 Phosphate, 2165

---

Buffered acetone TS, 2169

Buffers, 2096

Buffer solutions, 2165

acetate buffer, 2166  
 acid phthalate buffer, 2165  
 alkaline borate buffer, 2166  
 hydrochloric acid buffer, 2165  
 neutralized phthalate buffer, 2165  
 phosphate buffer, 2166

Bulk density and tapped density of powders (616), 456

Bulk pharmaceutical excipients—certificate of analysis (1080), 1158

Bulk powder sampling procedures (1097), 1230

Bumetanide, 2803

injection, 2803  
 tablets, 2805

Bupivacaine hydrochloride, 2806  
 in dextrose injection, 2807  
 and epinephrine injection, 2808



- Bupivacaine hydrochloride (*continued*)  
injection, 2807
- Buprenorphine  
hydrochloride, 2809
- Buprenorphine compounded, veterinary  
buccal solution, 2810
- Bupropion hydrochloride, 2810  
tablets, 2812  
extended-release tablets, 2813
- Buspirone hydrochloride, 2820, 8009  
tablets, 2821, 8012
- Busulfan, 2821  
tablets, 2822
- Butabarbital, 2823  
sodium, 2824  
sodium oral solution, 2825  
sodium tablets, 2825
- Butalbital, 2826  
acetaminophen, and caffeine capsules,  
2827  
acetaminophen, and caffeine tablets, 2828  
aspirin, and caffeine capsules, 2830  
aspirin, caffeine, and codeine phosphate  
capsules, 2833  
aspirin, and caffeine tablets, 2832  
and aspirin tablets, 2829
- Butamben, 2835  
benzocaine, and tetracaine hydrochloride  
topical aerosol, 2713  
benzocaine, and tetracaine hydrochloride  
gel, 2714  
benzocaine, and tetracaine hydrochloride  
ointment, 2715  
benzocaine, and tetracaine hydrochloride  
topical solution, 2715
- Butane, 7185
- Butane-1,2-Diol, 2096
- Butane-1,4-Diol, 2096
- Butane-2,3-Diol, 2096
- 1,3-Butanediol, 2096
- 2,3-Butanedione, 2096
- 1-Butanesulfonic acid sodium salt, 2097
- 1,4-Butane sultone, 2097
- Butanol, 2097
- Butoconazole nitrate, 2836  
vaginal cream, 2836
- Butorphanol tartrate, 2837  
injection, 2838  
nasal solution, 2838  
nasal spray, 2840
- Butyl  
acetate, normal, 2097  
alcohol, 2097, 7186  
alcohol, normal, 2097  
alcohol, secondary, 2097  
alcohol, tertiary, 2097  
benzoate, 2097  
ether, 2097  
methacrylate, 2097  
palmitostearate, 7187  
stearate, 7188
- n*-Butyl chloride, 2097
- tert*-Butyl methyl ether, 2097
- n*-Butylamine, 2097
- tert*-Butylamine, 2097
- 4-(Butylamino)benzoic acid, 2097
- Butylated  
hydroxyanisole, 7189  
hydroxytoluene, 7190
- n*-Butylboronic acid, 2097
- tert*-Butyldimethylchlorosilane in *N*-methyl-*N*-*tert*-butyldimethylsilyltrifluoroacetamide, (1  
in 100), 2097
- Butylene glycol, 7191
- Butylparaben, 7193
- 4-*tert*-Butylphenol, 2098
- t*-Butylthiol, 2098
- Butyraldehyde, 2098
- Butyric acid, 2098
- Butyrolactone, 2098
- Butyrophenone, 2098
- C**
- C 13  
for oral solution, urea, 2935  
urea, 2934
- C 14  
capsules, urea, 2936
- Cabergoline, 2842  
tablets, 2843
- Cadmium  
acetate, 2098  
nitrate, 2098
- Caffeine, 2844  
acetaminophen and aspirin tablets, 2302  
and acetaminophen tablets, 2303, 7979  
aspirin and dihydrocodeine bitartrate  
capsules, 2614  
butalbital, and acetaminophen capsules,  
2827  
butalbital, and acetaminophen tablets,  
2828  
butalbital, and aspirin capsules, 2830  
butalbital, aspirin, and codeine phosphate  
capsules, 2833  
butalbital, and aspirin tablets, 2832  
citrate injection, 2845  
citrate oral solution, 2846  
and ergotamine tartrate suppositories,  
3740  
and ergotamine tartrate tablets, 3741  
orphenadrine citrate and aspirin tablets,  
5172  
propoxyphene hydrochloride, and aspirin  
capsules, 5583  
and sodium benzoate injection, 2847
- Calamine, 2848  
topical suspension, phenolated, 2849  
topical suspension, 2849
- Calcifediol, 2849  
capsules, 2850
- Calcipotriene, 2850  
ointment, 2852
- Calcitonin salmon, 2853  
injection, 2857  
nasal solution, 2858
- Calcitriol, 2859  
injection, 2860
- Calcium  
acetate, 2098, 2860  
acetate and aluminum sulfate tablets for  
topical solution, 2434  
acetate tablets, 2863  
ascorbate, 2863  
carbonate, 2098, 2864  
carbonate, alumina, and magnesia  
chewable tablets, 2409  
carbonate, alumina, magnesia, and  
simethicone chewable tablets, 2410  
carbonate, alumina, and magnesia oral  
suspension, 2408  
carbonate, chelometric standard, 2098  
carbonate lozenges, 2866  
carbonate, magnesia, and simethicone  
chewable tablets, 2870  
carbonate and magnesia chewable tablets,  
2869  
carbonate oral suspension, 2867  
carbonate tablets, 2868  
caseinate, 2098  
chloride, 2099, 2873  
chloride, anhydrous, 2099  
chloride injection, 2874  
chloride TS, 2169  
citrate, 2099, 2874  
citrate tablets, 6521  
glubionate syrup, 2875  
gluceptate, 2875  
gluceptate injection, 2876  
gluconate, 2877  
gluconate injection, 2879  
gluconate tablets, 2880  
glycerophosphate, 6522  
hydroxide, 2099, 2881  
hydroxide topical solution, 2882  
hydroxide TS, 2169  
lactate, 2099, 2882  
lactate tablets, 2883  
lactobionate, 2883  
levulinate, 2884  
levulinate injection, 2885  
and magnesium carbonates oral  
suspension, 2872  
and magnesium carbonates tablets, 2872  
nitrate, 2099  
pantothenate, 2885, 8014  
pantothenate assay (91), 182  
pantothenate, dextro, 2099  
pantothenate, racemic, 2887  
pantothenate tablets, 2886  
phosphate, anhydrous dibasic, 2889  
phosphate tablets, dibasic, 2891  
phosphate, tribasic, 7194  
phosphate dihydrate, dibasic, 2888  
polycarbophil, 2892  
propionate, 7196, 8555  
saccharate, 2892  
silicate, 7197  
stearate, 7199  
succinate, 8015  
sulfate, 2099, 7200  
sulfate TS, 2169  
undecylenate, 2893  
and vitamin D with minerals tablets, 6530  
with vitamin D tablets, 6529
- Calcium acetate  
and aluminum sulfate for topical solution,  
2433
- Calcium L-5-methyltetrahydrofolate, 6524  
capsules, 6526, 7919  
tablets, 6527, 7920
- Calconcarboxylic acid, 2099  
triturate, 2099
- Calf thymus DNA, 2099
- d*-Camphene, 2099
- Camphor, 2893  
spirit, 2894
- d*-10-Camphorsulfonic acid, 2099
- d*-10-Camphorsulfonic acid, 2099
- Canada balsam, 2100
- Candelilla wax, 7201
- Candesartan cilexetil, 2894  
and hydrochlorothiazide tablets, 2895  
tablets, 8016
- Canola oil, 7202
- Capecitabine, 2898  
tablets, 2900
- Capillary electrophoresis (1053), 1024
- Capreomycin  
for injection, 2902

Capreomycin (*continued*)  
sulfate, 2901  
Capric acid, 2100  
Caprylic acid, 7202  
Caprylocaproyl polyoxylglycerides, 7203  
Capsaicin, 2903  
Capsicum, 2904  
oleoresin, 2906  
tincture, 2907

## Capsules

Acetubutolol hydrochloride, 2291  
Acetaminophen, 2296  
Containing at least three of the following—acetaminophen and (salts of) chlorpheniramine, dextromethorphan, and pseudoephedrine, 2304  
Acetaminophen and codeine phosphate, 2314  
Acitretin, 2336  
Acyclovir, 2339  
Altretamine, 2404  
Aluminum hydroxide gel, dried, 2429  
Amantadine hydrochloride, 2452  
Aminobenzoate potassium, 2466  
Amlodipine and benazepril hydrochloride, 2498  
Amoxicillin, 2521  
Ampicillin, 2540  
Anagrelide, 2552  
Aprepitant, 2581  
Arginine, 6464  
Aspirin, 2604  
Aspirin, caffeine, and dihydrocodeine bitartrate, 2614  
Aspirin delayed-release, 2605  
Atomoxetine, 2624, 8000  
Azithromycin, 2657  
Balsalazide disodium, 2682  
Benzonate, 2721  
Beta carotene, 2731  
Biotin, 2765  
Borage seed oil, 6516  
Bromocriptine mesylate, 2792  
Butalbital, acetaminophen, and caffeine, 2827  
Butalbital, aspirin, and caffeine, 2830  
Butalbital, aspirin, caffeine, and codeine phosphate, 2833  
Calcifediol, 2850  
Calcium L-5-methyltetrahydrofolate, 6526, 7919  
C 14, urea, 2936  
Castor oil, 2969  
Cat's claw, 6538  
Cefaclor, 2972  
Cefadroxil, 2978  
Cefdinir, 2992  
Cephalexin, 3057  
Cephadrine, 3067  
Chloral hydrate, 3082  
Chloramphenicol, 3084  
Chlordiazepoxide hydrochloride, 3097  
Chlordiazepoxide hydrochloride and clidinium bromide, 3099  
Chlorpheniramine maleate extended-release, 3122  
Chlorpheniramine maleate and pseudoephedrine hydrochloride extended-release, 3125  
Cholecalciferol, 3138  
Cinoxacin, 3159

Clindamycin hydrochloride, 3210  
Clofazimine, 3228  
Clofibrate, 3230  
Clomipramine hydrochloride, 3235  
Cloxacillin sodium, 3267  
Cod liver oil, 6574  
*Cryptocodinium cohnii* oil, 6580  
Curcuminoids, 6583  
Cyanocobalamin Co 57, 3271  
Cyanocobalamin Co 58, 3272  
Cyclobenzaprine hydrochloride extended-release capsules, 3334  
Cycloserine, 3345  
Cyclosporine, 3346  
Danazol, 3364  
Dantrolene sodium, 3367  
Demeclocycline hydrochloride, 3379  
Dextroamphetamine sulfate, 3431  
Diazepam, 3443  
Diazepam extended-release, 3444  
Diazoxide, 3447  
Dicloxacillin sodium, 3467  
Dicyclomine hydrochloride, 3469  
Didanosine delayed-release, 3474  
Digitalis, 3489  
Dihydrotachysterol, 3499  
Diltiazem hydrochloride extended-release, 3505, 8620  
Diphenhydramine hydrochloride, 3527  
Diphenhydramine hydrochloride and ibuprofen, 8042  
Diphenhydramine and pseudoephedrine, 3536  
Disopyramide phosphate, 3548  
Disopyramide phosphate extended-release, 3549  
Divalproex sodium delayed-release, 3551  
Docusate calcium, 3570  
Docusate potassium, 3572  
Docusate sodium, 3573  
Doxepin hydrochloride, 3600  
Doxycycline, 3609  
Doxycycline extended-release, 3609  
Doxycycline hyclate, 3617  
Doxycycline hyclate delayed-release, 3618  
Dronabinol, 3626  
Duloxetine delayed-release, 3634  
Efavirenz, 3659  
Ephedrine sulfate, 3709  
Ergocalciferol, 3726  
Ergoloid mesylates, 3730  
Erythromycin delayed-release, 3745  
Erythromycin estolate, 3753  
Esomeprazole magnesium delayed-release, 3773  
Ethchlorvynol, 3812  
Ethosuximide, 3820  
Etodolac, 3829  
Etoposide, 3836  
Evening primrose oil, 6617  
Fenofibrate, 3866  
Fenopropfen calcium, 3875  
Ferrous gluconate, 3885  
Fexofenadine hydrochloride, 3897  
Fish oil containing omega-3 acids, 6631  
Fish oil containing omega-3 acids, delayed-release, 6634  
Flax seed oil, 6635  
Flucytosine, 3936  
Fluoxetine, 3972  
Fluoxetine delayed-release, 3974  
Flurazepam hydrochloride, 3992  
Flutamide, 3997  
Fluvastatin, 4028  
Gabapentin, 4064

Galantamine extended-release, 4080  
Gemfibrozil, 4100  
Ginger, 6666  
Ginkgo, 6674  
Ginseng, American, 6456  
Griseofulvin, 4159  
Guaifenesin, 4163  
Guaifenesin and pseudoephedrine hydrochloride, 4167  
Guaifenesin, pseudoephedrine hydrochloride, and dextromethorphan hydrobromide, 4168  
Hydrochlorothiazide, 4210  
Hydroxyurea, 4251  
Hydroxyzine pamoate, 4256  
Imipramine pamoate, 8681  
Indomethacin, 4306  
Indomethacin extended-release, 4306  
Sodium iodide I 123, 4342  
Sodium iodide I 131, 4347  
Iodate sodium, 4384, 8697  
Isometheptene mucate, dichloralphenazone, and acetaminophen, 4407  
Isosorbide dinitrate extended-release, 4424  
Isotretinoin, 4436, 8697  
Isradipine, 4443  
Kanamycin sulfate, 4458  
Ketoprofen, 4464  
Ketoprofen extended-release, 4466  
Krill oil, 6721  
Krill oil delayed-release, 6724  
Lansoprazole delayed-release, 4501  
Levodopa, 4543  
Lincomycin hydrochloride, 4572  
Alpha lipoic acid, 6732  
Lithium carbonate, 4586  
Lomustine, 4593  
Loperamide hydrochloride, 4595  
Loracarbef, 4609  
Loxapine, 4634  
Lutein, 6735  
Magnesium oxide, 4659  
Meclofenamate sodium, 4695  
Mefenamic acid, 4699  
Menaquinone-7, 6753  
Mesalamine extended-release, 4745  
Methacycline hydrochloride, 4776  
Methoxsalen, 4805  
Methsuximide, 4810  
Methyltestosterone, 4841  
Metronidazole, 4864  
Metyrosine, 4871  
Mexiletine hydrochloride, 4872  
Milk thistle, 6765  
Minerals, 6768  
Minocycline hydrochloride, 4889  
Morphine sulfate extended-release, 4943, 8735  
Mycophenolate mofetil, 4958  
Nafcillin sodium, 4978  
Nifedipine, 5065  
Nitrofurantoin, 5074  
Nizatidine, 5088  
Nortriptyline hydrochloride, 5110  
Oil- and water-soluble vitamins with minerals, 6974  
Olanzapine and fluoxetine, 5129  
Oleovitamin A and D, 5134  
Omega-3 ethyl esters, 5141, 8755  
Omeprazole delayed-release, 5145  
Orlistat, 5166  
Osetamivir phosphate, 5176  
Oxacillin sodium, 5180  
Oxazepam, 5198

**Capsules** (*continued*)

- Oxycodone and acetaminophen, 5225  
 Oxytetracycline hydrochloride, 5241  
 Oxytetracycline and nystatin, 5238  
 Pancrelipase, 5261  
 Pancrelipase delayed-release, 5262  
 Paromomycin sulfate, 5282  
 Penicillamine, 5296  
 Phendimetrazine tartrate, 5353  
 Phenoxybenzamine hydrochloride, 5365  
 Phensuximide, 5367  
 Phentermine hydrochloride, 5368  
 Phenytoin sodium, extended, 5389  
 Phenytoin sodium, prompt, 5392  
 Piroxicam, 5435  
 Potassium chloride extended-release, 5457  
 Potassium perchlorate, 5477  
 Prazosin hydrochloride, 5498  
 Procainamide hydrochloride, 5531  
 Procarbazine hydrochloride, 5538  
 Propoxyphene hydrochloride, 5581  
 Propoxyphene hydrochloride, aspirin, and caffeine, 5583  
 Propranolol hydrochloride extended-release, 5590  
 Pseudoephedrine hydrochloride extended-release, 5604  
 Pygeum, 6794  
 Quinidine sulfate, 5648  
 Quinine sulfate, 5654  
 Ramipril, 5667  
*Rhodiola rosea*, 7937  
 Ribavirin, 5692, 8797  
 Rifabutin, 5701  
 Rifampin, 5703  
 Rifampin and isoniazid, 5705  
 Ritonavir, 5735  
 Rivastigmine tartrate, 5748  
 Propafenone hydrochloride extended-release, 5565  
 Salsalate, 5789  
 Saquinavir, 5793  
 Saw palmetto, 6829  
 Schizochytrium oil, 6837  
 Secobarbital sodium, 5816  
 Secobarbital sodium and amobarbital sodium, 5818  
 Selegiline hydrochloride, 5820  
 Simethicone, 5844  
 Soy isoflavones, 6843  
 Stavudine, 5914  
 Sulfinpyrazone, 5963  
 Tacrine, 5982  
 Tacrolimus, 5986, 8834  
 Tamsulosin hydrochloride, 6001  
 Temazepam, 6041  
 Terazosin, 6044  
 Tetracycline hydrochloride, 6082  
 Tetracycline hydrochloride and nystatin, 6090  
 Thalidomide, 6093  
 Theophylline, 6096  
 Theophylline extended-release, 6096  
 Theophylline and guaifenesin, 6103  
 Thiothixene, 6130  
 Tolmetin sodium, 6191  
 Topiramate, 6200  
 Triamterene, 6244  
 Triamterene and hydrochlorothiazide, 6245  
 Trientine hydrochloride, 6258  
 Trihexyphenidyl hydrochloride extended-release, 6265  
 Trimethobenzamide hydrochloride, 6270  
 Ubidecarenone, 6871  
 Ursodiol, 6304  
 Valproic acid, 6319, 8178  
 Vancomycin hydrochloride, 6333  
 Venlafaxine hydrochloride extended-release, 6340  
 Verapamil hydrochloride extended-release, 6348  
 Vinpocetine, 6881  
 Vitamin A, 6373  
 Vitamin E, 6378  
 Vitamins with minerals, oil-soluble, 6900  
 Vitamins with minerals, oil- and water-soluble, 6974  
 Vitamins with minerals, water-soluble, 7065  
 Vitamins, oil-soluble, 6884  
 Vitamins, oil- and water-soluble, 6927  
 Vitamins, water-soluble, 7040  
 Zaleplon, 6408  
 Zidovudine, 6412  
 Zonisamide, 6442
- 
- Capsules—dissolution testing and related quality attributes (1094), 1222  
 Captopril, 2909  
 and hydrochlorothiazide tablets, 2912  
 oral solution, 2910, 8587  
 oral suspension, 2910, 8588  
 tablets, 2911  
 Caramel, 7204  
 Caraway, 7205  
 oil, 7205  
 Carbachol, 2913  
 intraocular solution, 2913  
 ophthalmic solution, 2914  
 Carbamazepine, 2915  
 oral suspension, 2916  
 tablets, 2917, 8589  
 extended-release tablets, 2920  
 Carbamide peroxide, 2921  
 topical solution, 2921  
 Carbazole sulfate, 2100  
 Carbenicillin  
 disodium, 2922  
 indanyl sodium, 2923  
 indanyl sodium tablets, 2923  
 for injection, 2922  
 Carbidopa, 2924  
 and levodopa extended-release tablets, 2926, 8018  
 and levodopa orally disintegrating tablets, 2930, 8023  
 and levodopa tablets, 2925  
 Carbinoxamine maleate, 2932  
 pseudoephedrine hydrochloride, and dextromethorphan hydrobromide oral solution, 5608  
 tablets, 2933  
 Carbol-fuchsin topical solution, 2933  
 Carbomer  
 934, 7205  
 934P, 7207  
 940, 7208  
 941, 7209  
 1342, 7210  
 copolymer, 7212  
 homopolymer, 7214  
 interpolymer, 7217  
 Carbon  
 C 13 for oral solution, urea, 2935  
 C 13, urea, 2934  
 C 14 capsules, urea, 2936  
 dioxide, 2933  
 dioxide detector tube, 2100  
 disulfide, chromatographic, 2100  
 disulfide, CS, 2100  
 monoxide detector tube, 2100  
 tetrachloride, 2100, 8456  
 Carbonates  
 calcium and magnesium, oral suspension, 2872  
 calcium and magnesium, tablets, 2872  
 Carboplatin, 2936  
 for injection, 2938  
 Carboprost  
 tromethamine, 2939  
 tromethamine injection, 2940  
 Carboxylate (sodium form) cation-exchange resin (50- to 100-mesh), 2100  
 Carboxymethylamine hemihydrochloride, 2100  
 Carboxymethylcellulose  
 calcium, 7220  
 sodium, 2941  
 sodium 12, 7222  
 sodium, low-substituted, 7220, 7959  
 sodium and microcrystalline cellulose, 7233  
 sodium paste, 2942  
 sodium tablets, 2943  
 Carboxymethylcellulose sodium enzymatically-hydrolyzed, 7223  
 Cardamom  
 oil, 7226  
 seed, 7226  
 tincture, compound, 7226  
 Carisoprodol, 2943  
 aspirin and codeine phosphate tablets, 2947  
 and aspirin tablets, 2946  
 tablets, 2944  
 Carmellose, 7227  
 Carmine, 2100  
 Carmustine, 2949  
 for injection, 2951  
 Carprofen, 2953  
 tablets, 2954  
 Carrageenan, 7227  
 Carteolol hydrochloride, 2955  
 ophthalmic solution, 2957  
 tablets, 2957  
 Carvedilol, 2958  
 tablets, 2961  
 (R)-(-)-Carvone, 2100  
 Casanthranol, 2963  
 Cascara  
 fluidextract, aromatic, 2968  
 sagrada, 2964  
 sagrada extract, 2965  
 sagrada fluidextract, 2968  
 tablets, 2967  
 Casein, 2100  
 hammersten, 2100, 7844  
 Castor oil, 2968  
 aromatic, 2970  
 capsules, 2969  
 emulsion, 2970  
 hydrogenated, 7229  
 polyoxyl 35, 7470  
 Catechol, 2100  
 Cation-exchange resin, 2100  
 carboxylate (sodium form) (50- to 100-mesh), 2100  
 polystyrene, 2100  
 styrene-divinylbenzene, 2100  
 styrene-divinylbenzene, strongly acidic, 2100  
 sulfonic acid, 2101

- Cat's claw, 6534  
 capsules, 6538  
 extract, powdered, 6537  
 powdered, 6536  
 tablets, 6540
- Cedar oil, 2101
- Cefaclor, 2971  
 capsules, 2972  
 chewable tablets, 2974  
 for oral suspension, 2973  
 extended-release tablets, 2975
- Cefadroxil, 2976  
 capsules, 2978  
 for oral suspension, 2979  
 tablets, 2980
- Cefamandole nafate, 2981  
 for injection, 2982
- Cefazolin, 2983  
 injection, 2985  
 for injection, 2986  
 ophthalmic solution, 2987  
 sodium, 2988
- Cefdinir, 2990  
 capsules, 2992  
 for oral suspension, 2994
- Cefepime  
 hydrochloride, 2999  
 for injection, 2997
- Cefixime, 3001  
 for oral suspension, 3002  
 tablets, 3003
- Cefmenoxime  
 hydrochloride, 3005  
 for injection, 3004
- Cefmetazole, 3006  
 injection, 3006  
 for injection, 3007  
 sodium, 3007
- Cefonicid  
 for injection, 3008  
 sodium, 3009
- Cefoperazone  
 injection, 3009  
 for injection, 3010  
 sodium, 3011
- Ceforanide, 3012  
 for injection, 3012
- Cefotaxime  
 injection, 3014  
 for injection, 3015  
 sodium, 3016
- Cefotetan, 3019  
 disodium, 3021  
 injection, 3019  
 for injection, 3020
- Cefotiam  
 hydrochloride, 3022  
 for injection, 3023
- Cefoxitin  
 injection, 3025  
 for injection, 3026  
 sodium, 3024
- Cefpiramide, 3027  
 for injection, 3028
- Cefpodoxime proxetil, 3029  
 for oral suspension, 3030  
 tablets, 3031
- Cefprozil, 3031  
 for oral suspension, 3035  
 tablets, 3036
- Ceftazidime, 3037  
 injection, 3038  
 for injection, 3039
- Ceftizoxime  
 injection, 3042
- for injection, 3042  
 sodium, 3041
- Ceftriaxone  
 injection, 3043  
 for injection, 3044  
 sodium, 3045
- Cefuroxime  
 axetil, 3048  
 axetil for oral suspension, 3049  
 axetil tablets, 3050  
 injection, 3047  
 for injection, 3047  
 sodium, 3051
- Celecoxib, 3051
- Cellaburate, 7229
- Cellacefate, 7230
- Cellular and tissue-based products (1046), 932
- Cellulose  
 acetate, 7236  
 chromatographic, 2101  
 microcrystalline, 2101, 7231  
 microcrystalline and  
 carboxymethylcellulose sodium, 7233  
 mixture, chromatographic, 2101  
 oxidized, 3053  
 oxidized regenerated, 3053  
 powdered, 7235  
 silicified microcrystalline, 7233  
 sodium phosphate, 3054  
 sodium phosphate for oral suspension, 3055
- Centella asiatica*, 6541  
 extract, powdered, 6544  
 powdered, 6543  
 triterpenes, 6546
- Cephalexin, 3056  
 capsules, 3057  
 hydrochloride, 3060  
 for oral suspension, 3058  
 tablets, 3058  
 tablets for oral suspension, 3059
- Cephalothin  
 injection, 3061  
 for injection, 3061  
 sodium, 3062
- Cephapirin  
 benzathine, 3064  
 benzathine intramammary infusion, 3065  
 for injection, 3063  
 sodium, 3065  
 sodium intramammary infusion, 3066
- Cephradine, 3067  
 capsules, 3067  
 for injection, 3068  
 for oral suspension, 3069  
 tablets, 3069
- Ceric  
 ammonium nitrate, 2101  
 ammonium nitrate TS, 2169  
 ammonium nitrate, twentieth-normal (0.05 N), 2178  
 ammonium sulfate, 2101  
 sulfate, 2101  
 sulfate, tenth-normal (0.1 N), 2178
- Cesium chloride, 2101
- Cetirizine hydrochloride, 3070  
 and pseudoephedrine hydrochloride  
 extended-release tablets, 3075  
 oral solution, 3072  
 tablets, 3073  
 orally disintegrating tablets, 8591
- Cetostearyl alcohol, 7237
- Cetrimide, 2101
- Cetrimonium bromide, 7238
- Cetyl  
 alcohol, 7239  
 esters wax, 7240  
 palmitate, 7241
- Cetylpyridinium chloride, 3079, 8025  
 lozenges, 3079  
 topical solution, 3080
- Cetyltrimethylammonium bromide, 2101
- Cetyltrimethylammonium chloride, 25  
 percent in water, 2101
- Chamomile, 6547
- Characterization of crystalline and partially  
 crystalline solids by X-ray powder  
 diffraction (XRPD) (941), 755
- Characterization of crystalline solids by  
 microcalorimetry and solution calorimetry  
 (696), 528
- Charcoal  
 activated, 2102, 3080
- Chaste tree, 6549  
 powdered, 6551  
 powdered, extract, 6553
- Chenodeoxycholic acid, 2102
- Cherry  
 juice, 7241  
 syrup, 7242
- Chinese salvia, 6558  
 powdered, 6560
- Chitosan, 7242
- Chloral hydrate, 3081  
 capsules, 3082  
 oral solution, 3082  
 TS, 2169
- Chlorambucil, 3082  
 tablets, 3083
- Chloramine T, 2102
- Chloramphenicol, 3083  
 capsules, 3084  
 cream, 3085  
 and hydrocortisone acetate for ophthalmic  
 suspension, 3088  
 injection, 3085  
 ophthalmic ointment, 3085  
 ophthalmic solution, 3086  
 for ophthalmic solution, 3087  
 otic solution, 3087  
 palmitate, 3089  
 palmitate oral suspension, 3090  
 and polymyxin B sulfate ophthalmic  
 ointment, 3089  
 sodium succinate, 3091  
 sodium succinate for injection, 3092  
 oral solution, 3087  
 tablets, 3088
- Chlordiazepoxide, 3092  
 and amitriptyline hydrochloride tablets,  
 3094  
 hydrochloride, 3096  
 hydrochloride capsules, 3097  
 hydrochloride and clidinium bromide  
 capsules, 3099  
 hydrochloride for injection, 3099, 8593  
 tablets, 3093
- Chlorhexidine  
 acetate, 3101  
 acetate topical solution, 3103  
 gluconate oral rinse, 3105  
 gluconate solution, 3104  
 gluconate topical solution, 3107  
 hydrochloride, 3108
- Chloride  
 cobaltous, TS, 2169  
 ferric, TS, 2170  
 ferrous tetrahydrate, 2116  
 gold, 2118

- Chloride (*continued*)  
 gold, TS, 2171  
 platinic, 2136  
 platinic, TS, 2174  
 in reagents, 2081  
 stannous, 7543  
 and sulfate (221), 261
- Chlorine, 2102  
 detector tube, 2102  
 TS, 2169
- m*-Chloroacetanilide, 2102  
*p*-Chloroacetanilide, 2102  
 1-Chloroadamantane, 2102  
 2-Chloro-4-aminobenzoic acid, 2102  
 5-Chloro-2-aminobenzophenone, 2102  
 3-Chloroaniline, 2102  
*p*-Chloroaniline, 2102  
 Chlorobenzene, 2102  
 4-Chlorobenzoic acid, 2102  
*m*-Chlorobenzoic acid, 2102  
 4-Chlorobenzophenone, 2102  
 1-Chlorobutane, 2102  
 Chlorobutanol, 7247, 8557  
 Chlorocresol, 7247  
 2-Chloroethanol, 2102  
 2-Chloroethylamine monohydrochloride, 2102  
 Chloroform, 2102  
 alcohol-free, 2102  
 methyl, 2102
- Chlorogenic acid, 2102  
 Chloromethylated polystyrene-divinylbenzene anion-exchange resin, 2103  
 1-Chloronaphthalene, 2103  
 4-Chloro-1-naphthol, 2103  
 2-Chloronicotinic acid, 2103  
 2-Chloro-4-nitroaniline, 99%, 2103  
 Chlorophyllin copper complex sodium, 3110  
 Chloroplatinic acid, 2103  
 Chloroprocaine hydrochloride, 3111  
 injection, 3112
- Chloroquine, 3113  
 hydrochloride injection, 3113  
 phosphate, 3114  
 phosphate oral suspension, 3115, 8594  
 phosphate tablets, 3116
- 5-Chlorosalicylic acid, 2103  
 Chlorothiazide, 3117  
 and methyl dopa tablets, 4818  
 and reserpine tablets, 5686  
 sodium for injection, 3119  
 oral suspension, 3118, 8595  
 tablets, 3118, 8596
- 1-Chloro-2,2,2-trifluoroethylchlorodifluoromethyl ether, 2103
- Chlorotrimethylsilane, 2103  
 Chloroxyleneol, 3119
- Chlorpheniramine  
 dextromethorphan, pseudoephedrine, (salts of), and acetaminophen, capsules containing at least three of the following, 2304  
 dextromethorphan, pseudoephedrine (salts of), and acetaminophen, oral powder containing at least three of the following, 2306  
 dextromethorphan, pseudoephedrine (salts of), and acetaminophen, oral solution containing at least three of the following, 2308  
 dextromethorphan, pseudoephedrine (salts of), and acetaminophen, tablets containing at least three of the following, 2310
- maleate, 3121  
 maleate extended-release capsules, 3122  
 maleate injection, 3123  
 maleate, penicillin G procaine, dihydrostreptomycin sulfate, and dexamethasone injectable suspension, 5313
- maleate and pseudoephedrine hydrochloride extended-release capsules, 3125
- maleate and pseudoephedrine hydrochloride oral solution, 3126
- maleate oral solution, 3124
- maleate tablets, 3124
- maleate, acetaminophen, and dextromethorphan hydrobromide tablets, 2312
- Chlorpromazine, 3127  
 hydrochloride, 3128  
 hydrochloride injection, 3128  
 hydrochloride oral concentrate, 3128  
 hydrochloride syrup, 3129  
 hydrochloride tablets, 3130  
 suppositories, 3127
- Chlorpropamide, 3131  
 tablets, 3131
- Chlortetracycline  
 bisulfate, 3132  
 hydrochloride, 2103, 3133  
 hydrochloride ointment, 3133  
 hydrochloride ophthalmic ointment, 3133  
 hydrochloride soluble powder, 3134  
 hydrochloride tablets, 3134  
 and sulfamethazine bisulfates soluble powder, 3132
- Chlorthalidone, 3134  
 and atenolol tablets, 2623  
 and clonidine hydrochloride tablets, 3243  
 tablets, 3135
- Chlorzoxazone, 3136  
 tablets, 3137
- Chocolate, 7248  
 syrup, 7248
- Cholecalciferol, 3137  
 capsules, 3138  
 solution, 3139
- Cholestane, 2103  
 Cholesterol, 2103, 7249
- Cholesteryl  
 benzoate, 2103  
*n*-heptylate, 2103
- Cholestyramine  
 resin, 3140  
 for oral suspension, 3141
- Choline  
 bitartrate, 6562  
 chloride, 2103, 6564
- Chondroitin sulfate sodium, 6566  
 and glucosamine tablets, 6677  
 glucosamine, and methylsulfonylethane tablets, 6684  
 shark, 6570  
 tablets, 6569
- Chromate, sodium, Cr 51 injection, 3143
- Chromatographic  
 columns, 2186, 7844  
 fuller's earth, 2103  
*n*-heptane, 2103  
 magnesium oxide, 2103  
 reagents, 2103  
 silica gel, 2103  
 silica gel mixture, 2103  
 siliceous earth, 2104  
 siliceous earth, silanized, 2104
- solvent hexane, 2104
- Chromatography (621), 459  
 Chromatography, ion (1065), 1103, 7755
- Chromic chloride, 3142  
 injection, 3142
- Chromium  
 Cr 51 edetate injection, 3144  
 Cr 51 injection, sodium chromate, 3143  
 picolinate, 6572  
 picolinate tablets, 6573  
 potassium sulfate dodecahydrate, 2104  
 trioxide, 2104
- Chromogenic  
 substrate for amidolytic test, 2104
- Chromotrope 2R, 2104
- Chromotropic acid, 2104  
 disodium salt, 2104  
 TS, 2169
- Chymotrypsin, 3145  
 for ophthalmic solution, 3146
- Ciclopirox, 3147  
 olamine, 3149  
 olamine cream, 3150  
 olamine topical suspension, 3150  
 topical solution, 3148
- Cilastatin  
 and imipenem for injectable suspension, 4283  
 and imipenem for injection, 4282  
 sodium, 3151
- Cilostazol, 3152  
 tablets, 3153
- Cimetidine, 3154  
 hydrochloride, 3157  
 injection, 3155  
 in sodium chloride injection, 3156  
 tablets, 3156
- Cinchonidine, 2104  
 Cinchonine, 2104
- Cinoxacin, 3158  
 capsules, 3159
- Ciprofloxacin, 3160, 8597  
 and dexamethasone otic suspension, 3168  
 extended-release tablets, 3165  
 hydrochloride, 3170, 8600  
 injection, 3162  
 ophthalmic ointment, 3163  
 ophthalmic solution, 3164  
 tablets, 3164
- Cisapride, 3171  
 Cisapride compounded, veterinary injection, 3172  
 oral suspension, 3173
- Cisatracurium besylate, 3173  
 injection, 3175
- Cisplatin, 3177  
 for injection, 3179
- Citalopram  
 hydrobromide, 3183  
 oral solution, 3180  
 tablets, 3182
- Citrate  
 cupric TS, alkaline, 2169  
 cupric TS 2, alkaline, 2169
- Citric acid, 2104, 8456  
 anhydrous, 2104, 3186, 8456  
 and magnesium carbonate for oral solution, 4648  
 magnesium carbonate, and potassium citrate for oral solution, 4649  
 magnesium oxide, and sodium carbonate irrigation, 3190  
 monohydrate, 3188  
 and potassium citrate oral solution, 5467

- Citric acid (*continued*)  
 and potassium and sodium bicarbonates effervescent tablets for oral solution, 5453  
 and sodium citrate oral solution, 5870
- Cladribine, 3191  
 injection, 3192
- Clarithromycin, 3193, 8027  
 for oral suspension, 3195  
 tablets, 3195, 8029  
 extended-release tablets, 3197
- Clavulanate  
 potassium, 3200  
 potassium and amoxicillin for oral suspension, 2526  
 potassium and amoxicillin tablets, 2526
- Clavulanic acid  
 and amoxicillin extended-release tablets, 2527, 7993
- Clavulanic acid  
 and ticarcillin injection, 6143  
 and ticarcillin for injection, 6144
- Cleaning glass apparatus (1051), 1011
- Clemastine fumarate, 3203  
 tablets, 3204, 8031
- Clenbuterol hydrochloride, 3205
- Clidinium bromide, 3206  
 and chlordiazepoxide hydrochloride capsules, 3099
- Clindamycin  
 hydrochloride, 3209  
 hydrochloride capsules, 3210  
 hydrochloride oral solution, 3211  
 injection, 3207  
 for injection, 3208  
 palmitate hydrochloride, 3211  
 palmitate hydrochloride for oral solution, 3212  
 phosphate, 3213  
 phosphate gel, 3215  
 phosphate topical solution, 3215  
 phosphate topical suspension, 3216  
 phosphate vaginal cream, 3214  
 phosphate vaginal inserts, 3216
- Clioquinol, 3217  
 cream, 3218  
 and hydrocortisone cream, 3220  
 and hydrocortisone ointment, 3221  
 ointment, 3219  
 topical powder, compound, 3220
- Clobetasol propionate, 3222  
 cream, 3223  
 ointment, 3224  
 topical solution, 3225
- Clocortolone pivalate, 3226  
 cream, 3227
- Clofazimine, 3227  
 capsules, 3228
- Clofibrate, 3229  
 capsules, 3230
- Clomiphene citrate, 3231  
 tablets, 3233
- Clomipramine hydrochloride, 3234  
 capsules, 3235
- Clonazepam, 3236  
 oral suspension, 3237, 8602  
 tablets, 3237  
 orally disintegrating tablets, 3238
- Clonidine, 3240  
 hydrochloride, 3241  
 hydrochloride and chlorthalidone tablets, 3243  
 hydrochloride tablets, 3242  
 transdermal system, 3244
- Clopidogrel  
 bisulfate, 3247  
 tablets, 3249
- Clopidogrel compounded  
 oral suspension, 3249
- Cloprostenol  
 injection, 3251  
 sodium, 3251
- Clorazepate dipotassium, 3252  
 tablets, 3254
- Clorsulon, 3255  
 and ivermectin injection, 4451
- Clotrimazole, 3256  
 and betamethasone dipropionate cream, 3262  
 cream, 3257  
 lotion, 3257  
 lozenges, 3258  
 topical solution, 3260  
 vaginal inserts, 3261
- Clove oil, 7250
- Clover, red, 6797  
 extract, powdered, 6801, 8535  
 powdered, 6799  
 tablets, 6804
- Cloxacillin  
 benzathine, 3263  
 benzathine intramammary infusion, 3264  
 sodium, 3265  
 sodium capsules, 3267  
 sodium intramammary infusion, 3267  
 sodium for oral solution, 3268
- Clozapine, 3268  
 tablets, 3270
- Co  
 57 capsules, cyanocobalamin, 3271  
 57 oral solution, cyanocobalamin, 3272  
 58 capsules, cyanocobalamin, 3272
- Coal tar, 3271  
 ointment, 3271  
 topical solution, 3271
- Cobalamin radiotracer assay (371), 294
- Cobalt  
 chloride, 2104  
 Co 57 capsules, cyanocobalamin, 3271  
 Co 57 oral solution, cyanocobalamin, 3272  
 Co 58 capsules, cyanocobalamin, 3272  
 nitrate, 2104  
 platinum, TS, 2174  
 uranyl acetate TS, 2169
- Cobaltous  
 acetate, 2104  
 chloride, 2104  
 chloride CS, 2166  
 chloride TS, 2169
- Cocaine, 3273  
 hydrochloride, 3274  
 hydrochloride tablets for topical solution, 3274  
 and tetracaine hydrochlorides and epinephrine topical solution, 3275
- Cocoa butter, 7251
- Coconut  
 oil, 7252  
 oil, hydrogenated, 7252
- Codeine, 3278  
 phosphate, 3279  
 phosphate and acetaminophen capsules, 2314  
 phosphate and acetaminophen oral solution, 2315  
 phosphate and acetaminophen oral suspension, 2316  
 phosphate and acetaminophen tablets, 2317  
 phosphate, aspirin, alumina, and magnesium tablets, 2616  
 phosphate and aspirin tablets, 2615  
 phosphate and bromodiphenhydramine hydrochloride oral solution, 2795  
 phosphate, butalbital, aspirin, and caffeine capsules, 2833  
 phosphate, carisoprodol, and aspirin tablets, 2947  
 phosphate and guaifenesin oral solution, 4165  
 phosphate injection, 3279  
 phosphate tablets, 3280  
 phosphate and promethazine and phenylephrine hydrochloride oral solution, 5561  
 phosphate oral solution, 3280, 8603  
 sulfate, 3281  
 sulfate oral solution, 3282  
 sulfate tablets, 3283, 8603  
 and terpin hydrate oral solution, 6063
- Cod liver oil, 3276  
 capsules, 6574
- Coenzyme Q9, 2104
- Cohosh  
 black fluidextract, 6507
- Colchicine, 3285  
 injection, 3286  
 and probenecid tablets, 5527  
 tablets, 3286
- Colestipol hydrochloride, 3286  
 for oral suspension, 3288  
 tablets, 3288
- Colistimethate  
 for injection, 3290  
 sodium, 3289
- Colistin  
 and neomycin sulfates and hydrocortisone acetate otic suspension, 3291  
 sulfate, 3290  
 sulfate for oral suspension, 3291
- Collagen, 2104  
 rat tail, 2104
- Collagenase, 2104
- Collodion, 3292  
 flexible, 3292
- Colloidal oatmeal, 3293
- Color  
 and achromicity (631), 471  
 instrumental measurement (1061), 1091
- Colorimetric solutions (CS), 2166
- Compactin, 2104
- Completeness of solution (641), 472
- Compound cardamom tincture, 7226
- Congeaing temperature (651), 477
- Congo red, 2104, 2163  
 TS, 2169
- Constitution and bylaws, xxxi
- Construct human fibroblasts in bilayer synthetic scaffold, 3293
- Construct human fibroblasts in polyglactin scaffold, 3298
- Container content for injections (697), 532
- Containers  
 glass (660), 486  
 performance testing (671), 518
- Container specifications for capsules and tablets, 2191, 7847, 8459
- Coomassie  
 blue G-250, 2105  
 brilliant blue R-250, 2105
- Copovidone, 7253
- Copper, 2105  
 gluconate, 3308
- Coriander oil, 7255

Corn  
 oil, 7256  
 starch, 7544  
 syrup, 7256  
 high fructose syrup, 7260  
 syrup solids, 7263  
 Corticotropin  
 injection, 3310  
 for injection, 3311  
 injection, repository, 3313  
 Cortisone, 2105  
 acetate, 3315  
 acetate injectable suspension, 3316  
 acetate tablets, 3316  
 Cosyntropin, 3317  
 Cotton  
 absorbent, 2105  
 purified, 3319  
 Cotton (691), 526  
 Cottonseed oil, 7265  
 hydrogenated, 7265  
 Council of experts  
 (2015–2020), xi, 7615, 8201  
 Cr 51  
 edetate injection, chromium, 3144  
 injection, sodium chromate, 3143  
 Cranberry  
 liquid preparation, 6576

---

## Cream

Alclometasone dipropionate, 2359  
 Amcinonide, 2454  
 Amphotericin B, 2533  
 Anthralin, 2562  
 Benzocaine, 2705  
 Betamethasone, 2734  
 Betamethasone dipropionate, 2741  
 Betamethasone valerate, 2747  
 Butoconazole nitrate, vaginal, 2836  
 Chloramphenicol, 3085  
 Clotrimazole, 3150  
 Clindamycin phosphate, vaginal, 3214  
 Cloquinol, 3218  
 Cloquinol and hydrocortisone, 3220  
 Clobetasol propionate, 3223  
 Cloctolone pivalate, 3227  
 Clotrimazole, 3257  
 Clotrimazole and betamethasone  
 dipropionate, 3262  
 Crodamiton, 3324  
 Desoximetasone, 3393  
 Dexamethasone sodium phosphate, 3408  
 Dibucaine, 3449  
 Dienestrol, 3478  
 Diflorasone diacetate, 3485  
 Dioxybenzone and oxybenzone, 3521  
 Estradiol, vaginal, 3778  
 Estropipate, vaginal, 3802  
 Flumethasone pivalate, 3947  
 Fluocinolone acetonide, 3954  
 Fluocinonide, 3956  
 Fluorometholone, 3967  
 Fluorouracil, 3971  
 Flurandrenolide, 3988  
 Fluticasone propionate, 4000  
 Gentamicin sulfate, 4104  
 Gentian violet, 4112  
 Halcinonide, 4176  
 Hydrocortisone, 4219  
 Hydrocortisone acetate, 4225  
 Hydrocortisone butyrate, 4229  
 Hydrocortisone valerate, 4235

Hydroquinone, 4244  
 Lidocaine and prilocaine, 4568  
 Lindane, 4574  
 Mafenide acetate, 4640  
 Meclocycline sulfosalicylate, 4694  
 Methylprednisolone acetate, 4835  
 Miconazole nitrate, 4877  
 Mometasone furoate, 4922  
 Monobenzene, 4930  
 Mupirocin, 4954  
 Naftifine hydrochloride, 4979  
 Neomycin and polymyxin B sulfates, 5023  
 Neomycin and polymyxin B sulfates and  
 gramicidin, 5033  
 Neomycin and polymyxin B sulfates,  
 gramicidin, and hydrocortisone acetate,  
 5034  
 Neomycin and polymyxin B sulfates and  
 hydrocortisone acetate, 5036  
 Neomycin and polymyxin B sulfates and  
 lidocaine, 5036  
 Neomycin and polymyxin B sulfates and  
 pramoxine hydrochloride, 5037  
 Neomycin sulfate, 5011  
 Neomycin sulfate and dexamethasone  
 sodium phosphate, 5013  
 Neomycin sulfate and fluocinolone  
 acetonide, 5016  
 Neomycin sulfate and flurandrenolide,  
 5017  
 Neomycin sulfate and hydrocortisone,  
 5018  
 Neomycin sulfate and hydrocortisone  
 acetate, 5019  
 Neomycin sulfate and methylprednisolone  
 acetate, 5022  
 Neomycin sulfate and triamcinolone  
 acetonide, 5039  
 Nystatin, 5114  
 Nystatin, neomycin sulfate, gramicidin,  
 and triamcinolone acetonide, 5117  
 Nystatin, neomycin sulfate, thiostrepton,  
 and triamcinolone acetonide, 5118  
 Nystatin and triamcinolone acetonide,  
 5119  
 Piroxicam, 5436, 8767  
 Pramoxine hydrochloride, 5489  
 Prednicarbate, 5500  
 Prednisolone, 5503  
 Sulfadiazine, silver, 5943  
 Sulfa, vaginal, triple, 5929  
 Tetracaine hydrochloride, 6074  
 Tolnaftate, 6194  
 Tretinoin, 6233  
 Triamcinolone acetonide, 6237

---

Creatinine, 7266  
 Cresol, 7267  
 red, 2163  
 red–thymol blue TS, 2169  
 red TS, 2169  
*m*-Cresol purple, 2105  
 TS, 2169  
 Cromolyn sodium, 3320  
 inhalation powder, 3320  
 inhalation solution, 3321  
 nasal solution, 3322  
 ophthalmic solution, 3323, 8032  
 Croscarmellose sodium, 7267  
 Crospovidone, 7269  
 Crodamiton, 3324  
 cream, 3324  
 Cryopreservation of cells (1044), 905

*Cryptocodium cohnii* oil, 6578  
 capsules, 6580  
 Crystallinity (695), 528  
 Crystal violet, 2163  
 TS, 2169  
 Cupric  
 acetate, 2105  
 acetate TS, 2169  
 acetate TS, stronger, 2169  
 ammonium sulfate TS, 2169  
 chloride, 2105, 3325  
 chloride injection, 3326  
 citrate, 2105  
 citrate TS, 2169  
 citrate TS, alkaline, 2167, 2169  
 citrate TS 2, alkaline, 2169  
 iodide TS, alkaline, 2169  
 nitrate, 2105  
 nitrate hydrate, 2105  
 nitrate, tenth-normal (0.1 N), 2178  
 oxide, ammoniated, TS, 2169  
 sulfate, 2105, 3327  
 sulfate, anhydrous, 2105  
 sulfate CS, 2166  
 sulfate injection, 3328  
 sulfate test paper, 2164  
 sulfate TS, 2169  
 tartrate, alkaline, solution (Fehling's  
 solution), 2178  
 tartrate TS, alkaline, 2169  
 Cupriethylenediamine hydroxide solution,  
 1.0 M, 2105  
 Curcuminoids, 6582  
 capsules, 6583  
 tablets, 6585  
 Cyanoacetic acid, 2105  
 Cyanocobalamin, 3328  
 Co 57 capsules, 3271  
 Co 57 oral solution, 3272  
 Co 58 capsules, 3272  
 injection, 3329  
 tablets, 3330, 8034  
 Cyanogen bromide, 2105  
 4-Cyanophenol, 2105  
 4-Cyanopyridine, 8456  
 Cyclam, 2105  
 Cyclandelate, 3330  
 Cyclizine hydrochloride, 3331  
 tablets, 3332  
 Cyclobenzaprine  
 hydrochloride extended-release capsules,  
 3334  
 Cyclobenzaprine hydrochloride, 3333  
 tablets, 3336, 8605  
 $\alpha$ -Cyclodextrin, 2105  
 $\beta$ -Cyclodextrin, 2105  
 Cyclohexane, 2105  
 Cyclohexanol, 2105  
 (1,2-Cyclohexylenedinitrilo)tetraacetic acid,  
 2105  
 Cyclohexylmethanol, 2105  
 Cyclomethicone, 7271  
 Cyclopentolate hydrochloride, 3338  
 ophthalmic solution, 3338  
 Cyclophosphamide, 3339  
 for injection, 3341  
 tablets, 3342  
 Cyclopropane, 3343  
 Cycloserine, 3344  
 capsules, 3345  
 Cyclosporine, 3345  
 capsules, 3346  
 injection, 3347  
 oral solution, 3349

Cyclosporine compounded, veterinary ophthalmic solution, 3350  
 Cyproheptadine hydrochloride, 3351  
 oral solution, 3352  
 tablets, 3352  
 Cyromazine, 3353  
 Cysteine hydrochloride, 3353  
 injection, 3354  
 Cystine, 6586  
 L-Cystine, 2105  
 Cytarabine, 3355  
 for injection, 3356

## D

Dacarbazine, 3358  
 for injection, 3358  
 Dactinomycin, 3360  
 for injection, 3360  
 Dalteparin  
 sodium, 3361  
 Danazol, 3364  
 capsules, 3364  
 Dantrolene sodium, 3365, 8035  
 capsules, 3367  
 for injection, 3368  
 Dapsone, 3369  
 oral suspension, 3370, 8606  
 tablets, 3371  
 Daunorubicin hydrochloride, 3372  
 for injection, 3372  
 DEAE-Agarose, 2105  
 Decanol, 2105  
 Decoquinat, 3373  
 premix, 3373  
 Decyl sodium sulfate, 2106  
 Deferoxamine mesylate, 3374  
 for injection, 3375  
 Dehydrated alcohol, 2106  
 Dehydroacetic acid, 7272  
 Dehydrocholic acid, 3376  
 tablets, 3376  
 Delafield's hematoxylin TS, 2169  
 Deliverable volume (698), 532  
 Delta-8-tetrahydrocannabinol, 2154  
 Demecarium bromide, 3377  
 ophthalmic solution, 3377  
 Demeclocycline, 3378  
 hydrochloride, 3379  
 hydrochloride capsules, 3379  
 hydrochloride tablets, 3380  
 oral suspension, 3379  
 Denatonium benzoate, 7273  
 Denaturated alcohol TS, 2170  
 Denigès' reagent, 2170  
 Density of solids (699), 535  
 Dental paste  
 triamcinolone acetonide, 6239  
 Deoxyadenosine triphosphate, 2106  
 Deoxycytidine triphosphate, 2106  
 Deoxyguanosine triphosphate, 2106  
 Deoxyribonucleic acid polymerase, 2106  
 Deoxythymidine triphosphate, 2106  
 Depyrogenation (1228), 7807  
 Depyrogenation by filtration (1228.3), 8363  
 Description and relative solubility of USP and NF articles, 2201, 7858, 8470  
 Desflurane, 3380  
 Design, evaluation and characterization of viral clearance procedures (1050.1), 7745  
 Design and analysis of biological assays (111), 187  
 Design and development of biological assays (1032), 844  
 Desipramine hydrochloride, 3382  
 tablets, 3384  
 Deslanoside, 3385  
 injection, 3386  
 Desloratadine, 8607  
 tablets, 8609  
 orally disintegrating tablets, 8611  
 Desmopressin acetate, 3387  
 injection, 3388  
 nasal spray, 3389  
 Desogestrel  
 and ethinyl estradiol tablets, 3390  
 Desonide, 3391  
 Desoximetasone, 3392  
 cream, 3393  
 gel, 3394  
 ointment, 3394  
 Desoxycholic acid, 7273  
 Desoxycorticosterone  
 acetate, 3395  
 acetate injection, 3395  
 acetate pellets, 3396  
 pivalate, 3396  
 pivalate injectable suspension, 3397  
 Detection of irradiated dietary supplements (2250), 2056  
 Determination  
 methoxy (431), 329  
 nitrogen (461), 337  
 Deuterated methanol, 2106  
 Deuterated water, 2106  
 Deuterium  
 chloride, 2106  
 oxide, 2106  
 Deuteriochloroform, 2106  
 Devarda's alloy, 2106  
 Dexamethasone, 3398  
 acetate, 3403  
 acetate injectable suspension, 3404  
 topical aerosol, 3398  
 and ciprofloxacin otic suspension, 3168  
 elixir, 3399  
 gel, 3399  
 injection, 3400  
 and neomycin and polymyxin B sulfates ophthalmic ointment, 5032  
 and neomycin and polymyxin B sulfates ophthalmic suspension, 5033  
 ophthalmic suspension, 3401  
 penicillin G procaine, dihydrostreptomycin sulfate, and chlorpheniramine maleate injectable suspension, 5313  
 sodium phosphate, 3404  
 sodium phosphate cream, 3408  
 sodium phosphate inhalation aerosol, 3407  
 sodium phosphate injection, 3408  
 sodium phosphate and neomycin sulfate cream, 5013  
 sodium phosphate and neomycin sulfate ophthalmic ointment, 5014  
 sodium phosphate and neomycin sulfate ophthalmic solution, 5015  
 sodium phosphate ophthalmic ointment, 3409  
 sodium phosphate ophthalmic solution, 3411  
 oral solution, 3401  
 tablets, 3402  
 and tobramycin ophthalmic ointment, 6176  
 and tobramycin ophthalmic suspension, 6178  
 Dexbrompheniramine maleate, 3411  
 and pseudoephedrine sulfate oral solution, 3413  
 Dexchlorpheniramine maleate, 3413  
 oral solution, 3415  
 tablets, 3416  
 Dexmedetomidine hydrochloride, 3417  
 Dexpanthenol, 3418  
 assay (115), 191  
 preparation, 3419  
 Dextran  
 1, 3420  
 40, 3422  
 40 in dextrose injection, 3424  
 40 in sodium chloride injection, 3425  
 70, 3426  
 70 in dextrose injection, 3428  
 70 in sodium chloride injection, 3429  
 high molecular weight, 2106  
 Dextrates, 7274  
 Dextrin, 2106, 7275  
 Dextro calcium pantothenate, 2106  
 Dextroamphetamine sulfate, 3430  
 capsules, 3431  
 tablets, 3431  
 Dextromethorphan, 3432  
 chlorpheniramine, pseudoephedrine (salts of), and acetaminophen, capsules containing at least three of the following, 2304  
 chlorpheniramine, pseudoephedrine (salts of), and acetaminophen, oral powder containing at least three of the following, 2306  
 chlorpheniramine, pseudoephedrine (salts of), and acetaminophen, oral solution containing at least three of the following, 2308  
 chlorpheniramine, pseudoephedrine (salts of), and acetaminophen, tablets containing at least three of the following, 2310  
 hydrobromide, 3433  
 hydrobromide, acetaminophen, doxylamine succinate, and pseudoephedrine hydrochloride oral solution, 2318  
 hydrobromide, guaifenesin, and pseudoephedrine hydrochloride capsules, 4168  
 hydrobromide, pseudoephedrine hydrochloride, and carbinoxamine maleate oral solution, 5608  
 hydrobromide oral solution, 3434  
 hydrobromide, acetaminophen, and chlorpheniramine maleate tablets, 2312  
 Dextrose, 3434, 8612  
 adenine solution, anticoagulant citrate phosphate, 2569  
 anhydrous, 2106  
 and dopamine hydrochloride injection, 3588  
 excipient, 7276  
 and half-strength lactated Ringer's injection, 5718, 8808  
 injection, 3435  
 injection, alcohol in, 2365  
 injection, bretylium tosylate in, 2787  
 injection, bupivacaine hydrochloride in, 2807  
 injection, dobutamine in, 3563  
 injection, magnesium sulfate in, 4665



- Dextrose (*continued*)  
injection, potassium chloride in, 5460, 8771  
injection and potassium chloride in lactated Ringer's, 5462, 8774  
injection and sodium chloride injection, potassium chloride in, 5461, 8772  
injection, tetracaine hydrochloride in, 6076  
injection, theophylline in, 6100  
injection type 1 and multiple electrolytes, 3667, 8650  
injection type 2 and multiple electrolytes, 3669, 8654  
injection type 3 and multiple electrolytes, 3671, 8658  
injection type 4 and multiple electrolytes, 3672, 8661  
and lactated Ringer's injection, 5717, 8805  
and lidocaine hydrochloride injection, 4567  
and modified lactated Ringer's injection, 5719, 8811  
and Ringer's injection, 5716, 8801  
and sodium chloride injection, 3435  
and sodium chloride tablets, 5870, 8151  
solution, anticoagulant citrate, 2566  
solution, anticoagulant citrate phosphate, 2568
- Diacetyl, 2106  
Diacetylated monoglycerides, 7276  
3,3'-Diaminobenzidine hydrochloride, 2106  
2,3-Diaminonaphthalene, 2107  
Diatomaceous earth, 2107  
flux-calcined, 2107  
silanized, 2107  
Diatomaceous silica  
calcined, 2107  
Diatrizoate  
meglumine, 3436  
meglumine and diatrizoate sodium injection, 3438  
meglumine and diatrizoate sodium solution, 3439  
meglumine injection, 3437  
sodium, 3440, 8615  
sodium and diatrizoate meglumine injection, 3438  
sodium and diatrizoate meglumine solution, 3439  
sodium injection, 3440  
sodium solution, 3441  
Diatrizoic acid, 3441  
Diaveridine, 2107  
Diazepam, 3442  
capsules, 3443  
extended-release capsules, 3444  
injection, 3445  
tablets, 3446  
Diazobenzenesulfonic acid TS, 2170  
Diazoxide, 3446  
capsules, 3447  
injection, 3447  
oral suspension, 3448  
Dibasic  
ammonium citrate, 2107  
ammonium phosphate, 2107  
calcium phosphate, anhydrous, 2889  
calcium phosphate dihydrate, 2888  
calcium phosphate tablets, 2891  
potassium phosphate, 2107, 5478  
sodium phosphate, 5884  
Dibenzyl, 2107  
2,6-Dibromoquinone-chlorimide, 2107  
Dibucaine, 3449  
cream, 3449  
hydrochloride, 3450  
hydrochloride injection, 3451  
ointment, 3450  
Dibutyl  
phthalate, 2107, 7277  
sebacate, 7277  
Dibutylamine, 2107  
Dibutylammonium phosphate, 2107  
1,3-Dicaffeoylquinic acid, 2107  
Dichloralphenazone, 3452  
isometheptene mucate and acetaminophen capsules, 4407  
Dichloroacetic acid, 2107  
2,5-Dichloroaniline, 2107  
2,6-Dichloroaniline, 2107  
o-Dichlorobenzene, 2107  
Dichlorodifluoromethane, 7278  
1,2-Dichloroethane, 2107  
Dichlorofluorescein, 2108  
TS, 2170  
Dichlorofluoromethane, 2108  
2,6-Dichloroindophenol sodium, 2108  
Dichloromethane, 2108  
2,4-Dichloro-1-naphthol, 2108  
2,6-Dichlorophenol-indophenol sodium, 2108  
Dichlorophenol-indophenol solution, standard, 2178  
2,6-Dichlorophenylacetic acid, 2108  
2,6-Dichloroquinone-chlorimide, 2108  
Dichlorotetrafluoroethane, 7279  
Dichlorophenamide, 3452  
tablets, 3453  
Diclazuril, 3454  
Diclofenac potassium, 3455, 8616  
tablets, 3456  
Diclofenac sodium, 3457, 8618  
and misoprostol delayed-release tablets, 3462  
delayed-release tablets, 3458  
extended-release tablets, 3460  
Dicloxacillin sodium, 3465  
capsules, 3467  
for oral suspension, 3468  
Dicyclohexyl, 2108  
Dicyclohexylamine, 2108  
Dicyclohexyl phthalate, 2108  
Dicyclomine hydrochloride, 3468  
capsules, 3469  
injection, 3470  
oral solution, 3471  
tablets, 3471  
Didanosine, 3472  
delayed-release capsules, 3474  
for oral solution, 3475  
tablets for oral suspension, 3476  
Dienestrol, 3477  
cream, 3478
- 
- Dietary supplements**
- N-acetylglucosamine, 6447  
Ademetionine disulfate tosylate, 6449  
L-Alanyl-L-glutamine, 6450  
Andrographis, 6459  
Andrographis, powdered, 6461  
Andrographis extract, powdered, 6463  
Arginine capsules, 6464  
Arginine tablets, 6465  
Ashwagandha root, 6466  
Ashwagandha root extract, powdered, 6469  
Ashwagandha root, powdered, 6467  
Astaxanthin esters, 6476  
Astragalus root, 6478  
Astragalus root dry extract, 6480  
Astragalus root powder, 6482  
Aztec marigold zeaxanthin extract, 6484  
*Bacillus subtilis* subsp. *subtilis*  
menaquinone-7 extract, 6757  
Bacopa, 6486  
Bacopa, powdered, 6488  
Bacopa extract, powdered, 6489  
Banaba leaf, 6491  
Banaba leaf dry extract, 6494  
Banaba leaf powder, 6492  
Beta carotene preparation, 6495, 8531  
Beta glucan, 6497  
Bilberry extract, powdered, 6500  
Black cohosh, 6501  
Black cohosh, powdered, 6504  
Black cohosh extract, powdered, 6506  
Black cohosh tablets, 6509  
Black pepper, 6511  
Powdered black pepper extract, 6514  
Powdered black pepper, 6513  
Borage seed oil, 6516  
Borage seed oil capsules, 6516  
*Boswellia serrata*, 6518  
*Boswellia serrata* extract, 6519  
Calcium citrate tablets, 6521  
Calcium L-5-methyltetrahydrofolate, 6524  
Calcium L-5-methyltetrahydrofolate capsules, 6526, 7919  
Calcium L-5-methyltetrahydrofolate tablets, 6527, 7920  
Calcium and vitamin D with minerals tablets, 6530  
Calcium with vitamin D tablets, 6529  
Cat's claw, 6534  
Cat's claw capsules, 6538  
Cat's claw extract, powdered, 6537  
Cat's claw, powdered, 6536  
Cat's claw tablets, 6540  
*Centella asiatica*, 6541  
*Centella asiatica*, powdered, 6543  
*Centella asiatica* extract, powdered, 6544  
*Centella asiatica* triterpenes, 6546  
Chamomile, 6547  
Chaste tree, 6549  
Chaste tree, powdered, 6551  
Chaste tree extract, powdered, 6553  
Chinese salvia, 6558  
Chinese salvia, powdered, 6560  
Choline bitartrate, 6562  
Choline chloride, 6564  
Chondroitin sulfate sodium, 6566  
Chondroitin sulfate sodium, shark, 6570  
Chondroitin sulfate sodium tablets, 6569  
Chromium picolinate, 6572  
Chromium picolinate tablets, 6573  
Clover, red, 6797  
Clover, powdered red, 6799  
Clover extract, powdered red, 6801, 8535  
Clover tablets, red, 6804  
Cod liver oil capsules, 6574  
Cohosh, black, fluidextract, 6507  
Cranberry liquid preparation, 6576  
*Cryptocodium cohnii* oil, 6578  
*Cryptocodium cohnii* oil capsules, 6580  
Curcuminoids, 6582  
Curcuminoids capsules, 6583  
Curcuminoids tablets, 6585  
Diosmin, 6587  
*Echinacea angustifolia*, 6588  
*Echinacea angustifolia*, powdered, 6591  
*Echinacea angustifolia* extract, powdered, 6594

**Dietary supplements** (continued)

- Echinacea pallida*, 6596  
*Echinacea pallida*, powdered, 6598  
*Echinacea pallida*, powdered, extract, 6601  
*Echinacea purpurea* aerial parts, 6603  
*Echinacea purpurea*, powdered, 6607  
*Echinacea purpurea*, powdered, extract, 6610  
*Echinacea purpurea* root, 6605  
 Eleuthero, 6612  
 Eleuthero, powdered, 6614  
 Eleuthero extract, powdered, 6615  
 Evening primrose oil, 6617  
 Evening primrose oil capsules, 6617  
 Fenugreek seed, 6619  
 Fenugreek seed powder, 6621  
 Fenugreek seed powdered extract, 6623  
 Feverfew, 6626  
 Feverfew, powdered, 6627  
 Fish oil containing omega-3 acids, 6628  
 Fish oil containing omega-3 acids capsules, 6631  
 Fish oil containing omega-3 acids delayed-release capsules, 6634  
 Flax seed oil, 6635  
 Flax seed oil capsules, 6635  
 Forskohlii, 6637  
 Powdered forskohlii, 6638  
 Powdered forskohlii extract, 6639  
*Ganoderma lucidum* fruiting body, 6641  
*Ganoderma lucidum* fruiting body powder, 6644  
*Garcinia cambogia*, 6647  
*Garcinia cambogia*, powdered, 6648  
*Garcinia hydroxycitrate* extract, powdered, 6649  
*Garcinia indica*, 6651  
*Garcinia indica*, powdered, 6652  
 Garlic, 6654  
 Garlic, powdered, 6656  
 Garlic extract, powdered, 6658  
 Garlic fluidextract, 6659  
 Garlic delayed-release tablets, 6660  
 Ginger, 6662, 7921  
 Ginger, powdered, 6663, 7923  
 Ginger capsules, 6666  
 Ginger tincture, 6665, 7926  
 Ginkgo, 6668  
 Ginkgo extract, powdered, 6671  
 Ginkgo capsules, 6674  
 Ginkgo tablets, 6675  
 Ginseng, American, 6452  
 Ginseng, American, capsules, 6456  
 Ginseng, American, powdered, 6453  
 Ginseng, American extract, powdered, 6455  
 Ginseng, American, tablets, 6458  
 Ginseng, Asian, 6471  
 Ginseng, Asian, powdered, 6472  
 Ginseng, Asian extract, powdered, 6473  
 Ginseng, Asian, tablets, 6474  
 Glucosamine and chondroitin sulfate sodium tablets, 6677  
 Glucosamine hydrochloride, 6679  
 Glucosamine tablets, 6680  
 Glucosamine sulfate potassium chloride, 6681  
 Glucosamine sulfate sodium chloride, 6682  
 Glucosamine and methylsulfonylmethane tablets, 6683  
 Glucosamine, chondroitin sulfate sodium, and methylsulfonylmethane tablets, 6684  
 Glutamic acid, 6686  
 Glutathione, 6687, 7928  
 Glycyl-L-glutamine, 6688  
 Glycyl-L-tyrosine, 6690  
 Goldenseal, 6692, 7929  
 Goldenseal extract, powdered, 6694, 7932  
 Goldenseal, powdered, 6693, 7930  
 Grape seeds oligomeric proanthocyanidins, 6695  
 Green tea extract, decaffeinated, powdered, 6697  
 Guggul, 6699  
 Guggul extract, native, 6700  
 Guggul extract, purified, 6701  
 Guggul tablets, 6702  
 Gymnema, 6703  
 Gymnema extract, native, 6706  
 Gymnema, powdered, 6705  
 Gymnema extract, purified, 6708  
 Hawthorn leaf with flower, 6709  
 Hawthorn leaf with flower, powdered, 6711  
 Holy basil leaf, 6713  
 Holy basil leaf powdered, 6715  
 Holy basil leaf extract, powdered, 6717  
 Horse chestnut, 6554  
 Horse chestnut, powdered, 6556  
 Horse chestnut extract, powdered, 6557  
 5-Hydroxy-L-tryptophan, 6865  
 Krill oil capsules, 6721  
 Krill oil delayed-release capsules, 6724  
 Licorice, 6727  
 Licorice, powdered, 6728  
 Licorice extract, powdered, 6729  
 Ground limestone, 6730  
 Lipoic acid, alpha, 6731  
 Lipoic acid capsules, alpha, 6732  
 Lipoic acid tablets, alpha, 6733  
 Lutein, 6734  
 Lutein capsules, 6735  
 Lutein preparation, 6736  
 Lycopene, 6737  
 Lycopene preparation, 6738  
 Lysine hydrochloride tablets, 6742  
 Malabar-nut-tree, leaf, 6743  
 Malabar-nut-tree, leaf, powdered, 6744  
 Malabar-nut-tree, leaf extract, powdered, 6745  
 Maritime pine, 6746  
 Maritime pine extract, 6748  
 Melatonin, 6749  
 Melatonin tablets, 6751  
 Menaquinone-7, 6752  
 Menaquinone-7 capsules, 6753  
 Menaquinone-7 preparation, 6754  
 Menaquinone-7 tablets, 6756  
 Methylcobalamin, 6758  
 Methylcobalamin tablets, 8533  
 Methylsulfonylmethane, 6759  
 Methylsulfonylmethane tablets, 6760  
 Milk thistle, 6761  
 Milk thistle, powdered, 6762  
 Milk thistle extract, powdered, 6764  
 Milk thistle capsules, 6765  
 Milk thistle tablets, 6767  
 Minerals capsules, 6768  
 Minerals tablets, 6776  
 Northern schisandra fruit, 6832  
 Northern schisandra fruit dry extract, 8533  
 Northern schisandra fruit powder, 6833  
 Omega-3 acids triglycerides, 6784  
*Phyllanthus amarus*, 6787  
*Phyllanthus amarus*, powdered, 6789  
 Potassium citrate tablets, 6790  
 Powdered *Rhodiola rosea*, 6807  
 Powdered *Rhodiola rosea* extract, 6809  
 Powdered rosemary, 6813  
 Pygeum extract, 6792  
 Quercetin, 6796  
*Rhodiola rosea*, 6805  
*Rhodiola rosea* capsules, 7937  
*Rhodiola rosea* tablets, 7939  
*Rhodiola rosea* tincture, 6810  
 Ribose, 7941  
 Rosemary, 6811  
 Rosemary leaf dry aqueous extract, 6815  
 Rutin, 6816  
 Saw palmetto, 6822  
 Saw palmetto, powdered, 6825  
 Saw palmetto capsules, 6829  
 Saw palmetto extract, 6827  
 Schizochytrium oil, 6835, 8539  
 Schizochytrium oil capsules, 6837  
 Selenomethionine, 6840  
 Soy isoflavones capsules, 6843  
 Soy isoflavones extract, powdered, 6841  
 Soy isoflavones tablets, 6845  
 Spirulina, 6846  
 Spirulina tablets, 6850  
 Stinging nettle, 6853  
 Stinging nettle extract, powdered, 6857  
 Stinging nettle, powdered, 6855  
 St. John's wort, 6817  
 St. John's wort, powdered, 6819  
 St. John's wort extract, powdered, 6821, 8537  
 Tienchi ginseng root and rhizome, 6859  
 Tienchi ginseng root and rhizome dry extract, 6863  
 Tienchi ginseng root and rhizome powder, 6861  
 Tomato extract containing lycopene, 6739  
 Turmeric, 6866  
 Turmeric, powdered, 6867  
 Turmeric extract, powdered, 6868  
 Ubidecarenone, 6870  
 Ubidecarenone capsules, 6871  
 Ubidecarenone tablets, 6872  
 Ubiquinol, 7942  
 Ubiquinol capsules, 7942  
 Valerian, 6873  
 Valerian, powdered, 6874  
 Valerian extract, powdered, 6876  
 Valerian tablets, 6879  
 Valerian tincture, 6877  
 Vinpocetine, 6880  
 Vinpocetine capsules, 6881  
 Vinpocetine tablets, 6882  
 Vitamin A oral liquid preparation, 6374  
 Vitamins capsules, oil- and water-soluble, 6927  
 Vitamins with minerals capsules, oil- and water-soluble, 6974  
 Vitamins with minerals capsules, water-soluble, 7065  
 Vitamins with minerals oral solution, water-soluble, 7085  
 Vitamins with minerals tablets, oil- and water-soluble, 7014  
 Vitamins with minerals tablets, water-soluble, 7094  
 Vitamins tablets, oil- and water-soluble, 6956  
 Vitamins capsules, oil-soluble, 6884  
 Vitamins capsules, water-soluble, 7040  
 Vitamins with minerals oral solution, oil- and water-soluble, 7001  
 Oil-soluble vitamins with minerals capsules, 6900  
 Oil-soluble vitamins with minerals oral solution, 6911

**Dietary supplements** (continued)

Oil-soluble vitamins with minerals tablets, 6916  
 Vitamins oral solution, oil- and water-soluble, 6946  
 Oil-soluble vitamins oral solution, 6890  
 Vitamins tablets, oil-soluble, 6893  
 Vitamins tablets, water-soluble, 7053  
*meso*-Zeaxanthin, 7113, 7943  
*meso*-Zeaxanthin preparation, 7115, 7945  
 Zinc citrate, 7116  
 Zinc citrate tablets, 7117  
 Zinc and vitamin C lozenges, 7118

Diethanolamine, 7280  
 Diethylamine, 2108  
 Diethylamine phosphate, 2108  
*N,N*-Diethylaniline, 2108  
 Diethylcarbamazine citrate, 3478 tablets, 3479  
 Diethylene glycol, 2108  
 monoethyl ether, 7282  
 stearates, 7284  
 succinate polyester, 2108  
 Di(ethylene glycol) methyl ether, 2108  
 Diethylenetriamine, 2108  
 Di(2-ethylhexyl)phthalate, 2109  
 Diethyl phthalate, 7280  
 Diethylpropion hydrochloride, 3480 tablets, 3481  
 Diethylpyrocarbonate, 2109  
 Diethyl sebacate, 7281  
 Diethylstilbestrol, 3481  
 injection, 3482  
 tablets, 3483  
 Diethyl sulfone, 2109  
 Diethyltoluamide, 3483  
 topical solution, 3484  
 Diflorasone diacetate, 3484  
 cream, 3485  
 ointment, 3485  
 Diflunisal, 3486  
 tablets, 3486  
 Digitalis, 3487  
 capsules, 3489  
 powdered, 3488, 8619  
 tablets, 3489  
 Digitonin, 2109  
 Digitoxin, 3489  
 injection, 3490  
 tablets, 3491  
 Digoxigenin, 2109  
 Digoxin, 3492, 8037  
 injection, 3493  
 oral solution, 3493  
 tablets, 3494  
 Dihydrocodeine bitartrate, 3495  
 aspirin and caffeine capsules, 2614  
 Dihydroergotamine mesylate, 3496  
 injection, 3497  
 24,25-Dihydrolanosterol, 2109  
 Dihydroquinidine hydrochloride, 2109  
 Dihydroquinine, 2109  
 Dihydrostreptomycin  
 injection, 3498  
 sulfate, 3497  
 sulfate boluses, 3498  
 sulfate, penicillin G procaine, chlorpheniramine maleate, and dexamethasone injectable suspension, 5313  
 sulfate and penicillin G procaine injectable suspension, 5312

sulfate and penicillin G procaine intramammary infusion, 5312  
 sulfate, penicillin G procaine, and prednisolone injectable suspension, 5315  
 Dihydrotachysterol, 3499  
 capsules, 3499  
 oral solution, 3499  
 tablets, 3500  
 Dihydroxyacetone, 3500  
 Dihydroxyaluminum  
 aminoacetate, 3501  
 aminoacetate magma, 3502  
 sodium carbonate, 3502, 8038  
 sodium carbonate chewable tablets, 3503  
 2,5-Dihydroxybenzoic acid, 2109  
 2,7-Dihydroxynaphthalene, 2109  
 2,7-Dihydroxynaphthalene TS, 2170  
 4,5-Dihydroxy-3-(*p*-sulfophenylazo)-2,7-naphthalenedisulfonic acid, trisodium salt, 2163  
 Diiodofluorescein, 2109  
 TS, 2170  
 Diisodecyl phthalate, 2109  
 Diisopropanolamine, 7284  
 Diisopropyl ether, 2109  
 Diisopropylamine, 2110  
 Diisopropylethylamine, 2110  
 1,2-Dilinoleoyl-3-oleoyl-*rac*-glycerol, 2110  
 1,2-Dilinoleoyl-3-palmitoyl-*rac*-glycerol, 2110  
 Diloxanide furoate, 3504  
 Diltiazem hydrochloride, 3504  
 extended-release capsules, 3505, 8620  
 oral solution, 3509, 8625  
 oral suspension, 3510, 8625  
 tablets, 3510, 8040  
 Diluted  
 acetic acid, 2110, 7139  
 alcohol, 2110  
 hydrochloric acid, 2110  
 lead subacetate TS, 2170  
 nitric acid, 2110  
 sulfuric acid, 2110  
 Dimenhydrinate, 3511  
 injection, 3512  
 oral solution, 3513  
 tablets, 3513  
 Dimercaprol, 3514  
 injection, 3515  
 Dimethicone, 7285  
 viscosity 500 centistokes, 2110  
 2,5-Dimethoxybenzaldehyde, 2110  
 1,2-Dimethoxyethane, 2110  
 Dimethoxymethane, 2110  
 (3,4-Dimethoxyphenyl)-acetonitrile, 2110  
 Dimethyl  
 phthalate, 2110  
 sulfone, 2110  
 sulfoxide, 2110, 3515  
 sulfoxide gel, 3516  
 sulfoxide irrigation, 3517  
 sulfoxide topical solution, 3517  
 sulfoxide spectrophotometric grade, 2110  
*N,N*-Dimethylacetamide, 2110  
*p*-Dimethylaminoazobenzene, 2110  
*p*-Dimethylaminobenzaldehyde, 2110  
 TS, 2170  
*p*-Dimethylaminocinnamaldehyde, 2110  
 2-Dimethylaminoethyl methacrylate, 2111  
 Dimethylaminophenol, 2111  
 Dimethylaniline (223), 261  
 2,6-Dimethylaniline, 2111  
*N,N*-Dimethylaniline, 2111  
 3,4-Dimethylbenzophenone, 2111  
 5,5-Dimethyl-1,3-cyclohexanedione, 2111  
*N,N*-Dimethyldecylamine, 2111

1,5-Dimethyl-1,5-diazaundecamethylene polymethobromide, 2111  
*N,N*-Dimethyldodecylamine-*N*-oxide, 2111  
 Dimethylethyl(3-hydroxyphenyl)ammonium chloride, 2111  
 Dimethylformamide, 2111  
*N,N*-Dimethylformamide diethyl acetal, 2111  
 1,3-Dimethyl-2-imidazolidinone, 2111  
 1,9-Dimethyl-methylene blue, 2111  
*N,N*-Dimethyl-1-naphthylamine, 2111  
*N,N*-Dimethyloctylamine, 2111  
 2,5-Dimethylphenol, 2111  
 2,6-Dimethylphenol, 2111  
 3,5-Dimethylphenol, 2112  
 3-(4,5-Dimethylthiazol-2-yl)-2,5-diphenyl tetrazolium bromide, 2112  
 Dimethyltin dibromide, 2112  
*N,N*-Dimethyl-*p*-phenylenediamine dihydrochloride, 2112  
*m*-Dinitrobenzene, 2112  
 3,5-Dinitrobenzoyl chloride, 2112  
 2,4-Dinitrochlorobenzene, 2112  
 2,4-Dinitrofluorobenzene, 2112  
 2,4-Dinitrophenylhydrazine, 2112  
 Dinitrophenylhydrazine TS, 2170  
 Dinoprost tromethamine, 3518  
 injection, 3519  
 Dinoprostone, 3520  
 Dioctyl sodium sulfosuccinate, 2112  
 Diosmin, 6587  
 Dioxane, 2112  
 Dioxybenzone, 3521  
 and oxybenzone cream, 3521  
 Diphenhydramine  
 citrate, 3522  
 citrate and acetaminophen tablets, 2319  
 citrate and ibuprofen tablets, 3523  
 hydrochloride, 3526  
 hydrochloride, acetaminophen, and pseudoephedrine hydrochloride tablets, 2320  
 hydrochloride capsules, 3527  
 hydrochloride injection, 3529  
 hydrochloride oral solution, 3530  
 hydrochloride and ibuprofen capsules, 8042  
 and phenylephrine hydrochloride tablets, 3533  
 and pseudoephedrine capsules, 3536  
 Diphenoxylate hydrochloride, 3537, 8626  
 and atropine sulfate oral solution, 3538  
 and atropine sulfate tablets, 3538  
 Diphenyl ether, 2112  
 Diphenylamine, 2112  
 TS, 2170  
 Diphenylborinic acid, ethanolamine ester, 2112  
 Diphenylcarbazide, 2112  
 Diphenylcarbazone, 2112  
 TS, 2170  
 2,2-Diphenylglycine, 2112  
 Diphtheria antitoxin potency testing for human immune globulins (162), 222  
 Dipicrylamine, 2112  
 Dipivefrin hydrochloride, 3539  
 ophthalmic solution, 3541  
 Dipropyl phthalate, 2112  
 Dipyrindamole, 3542  
 injection, 3543  
 oral suspension, 3544, 8627  
 tablets, 3545  
 4,4'-Dipyridyl, 2112  
 $\alpha,\alpha'$ -Dipyridyl, 2112  
 Direct red 80, 2142

- Dirithromycin, 3546  
 delayed-release tablets, 3547
- Disinfectants and antiseptics (1072), 1118
- Disintegration  
 (701), 537  
 and dissolution of dietary supplements  
 (2040), 2044, 8423
- Disodium  
 chromotropate, 2112  
 ethylenediaminetetraacetate, 2112
- Disopyramide phosphate, 3548  
 capsules, 3548  
 extended-release capsules, 3549
- Dissolution (711), 540  
 The dissolution procedure: development and  
 validation (1092), 1202
- Distilling range (721), 551
- Disulfiram, 3550  
 tablets, 3550
- 5,5'-Dithiobis (2-nitrobenzoic acid), 2112
- Dithiothreitol, 2113
- Dithizone, 2113  
 TS, 2170
- Divalproex sodium, 3551  
 delayed-release capsules, 3551  
 delayed-release tablets, 3554  
 extended-release tablets, 3555, 8043,  
 8628
- Dobutamine  
 in dextrose injection, 3563  
 hydrochloride, 3560  
 injection, 3561  
 for injection, 3562
- Docetaxel, 3564  
 injection, 3567
- Docusate  
 calcium, 3569  
 calcium capsules, 3570  
 potassium, 3571, 8051  
 potassium capsules, 3572  
 sodium, 3572  
 sodium capsules, 3573  
 sodium and ferrous fumarate extended-  
 release tablets, 3882  
 sodium solution, 3574  
 sodium syrup, 3574  
 sodium tablets, 3575
- 1-Dodecanol, 2113
- Dodecyl  
 alcohol, 2113  
 lithium sulfate, 2113  
 sodium sulfonate, 2113
- 3-(Dodecyl)dimethylammonio)  
 propanesulfonate, 2113
- Dodecyltriethylammonium phosphate, 0.5  
 M, 2113
- Dodecyltrimethylammonium bromide, 2113
- Dofetilide, 3576
- Dolasetron mesylate, 3577  
 injection, 3578, 8636  
 oral solution, 3579, 8637  
 oral suspension, 3579, 8638  
 tablets, 3580, 8638
- Donepezil hydrochloride, 3581  
 tablets, 3583  
 orally disintegrating tablets, 3585
- Dopamine hydrochloride, 3587  
 and dextrose injection, 3588  
 injection, 3587
- Dorzolamide  
 Hydrochloride and timolol maleate  
 ophthalmic solution, 3591
- Dorzolamide hydrochloride  
 ophthalmic solution, 3590
- Dorzolamide hydrochloride, 3589
- Doxapram hydrochloride, 3594, 8639  
 injection, 3595, 8641
- Doxazosin mesylate, 3596  
 tablets, 3598
- Doxepin hydrochloride, 3598  
 capsules, 3600  
 oral solution, 3601
- Doxorubicin hydrochloride, 3602  
 injection, 3604  
 for injection, 3605
- Doxycycline, 3607  
 calcium oral suspension, 3614  
 capsules, 3609  
 extended-release capsules, 3609  
 hyclate, 3616  
 hyclate capsules, 3617  
 hyclate delayed-release capsules, 3618  
 hyclate tablets, 3619  
 hyclate delayed-release tablets, 3621  
 for injection, 3611  
 for oral suspension, 3612  
 tablets, 3613
- Doxycycline compounded, veterinary  
 oral suspension, 3615
- Doxylamine succinate, 3624  
 acetaminophen, dextromethorphan  
 hydrobromide, and pseudoephedrine  
 hydrochloride oral solution, 2318  
 oral solution, 3624  
 tablets, 3625
- Drabkin's reagent, 2113
- Dragendorff's TS, 2170
- Dried peptone, 2113
- Dronabinol, 3625  
 capsules, 3626
- Dronedarone  
 hydrochloride, 8052  
 tablets, 8053
- Droperidol, 3627  
 injection, 3627
- Drospirenone, 3628  
 and ethinyl estradiol tablets, 3631, 8054
- Drug release (724), 552
- Dry heat depyrogenation (1228.1), 7811
- Dry heat sterilization (1229.8), 1680
- Duloxetine  
 delayed-release capsules, 3634
- Duloxetine hydrochloride, 3636, 8058
- Dusting powder, absorbable, 3640
- Dutasteride, 3638, 8642
- Dyclonine hydrochloride, 3641  
 gel, 3641  
 topical solution, 3642
- Dyogesterone, 3642  
 tablets, 3643
- Dyphylline, 3643  
 and guaifenesin oral solution, 3645  
 and guaifenesin tablets, 3646  
 injection, 3644  
 oral solution, 3644  
 tablets, 3645
- angustifolia* extract, powdered, 6594  
*pallida*, 6596  
*pallida*, powdered, 6598  
*pallida* extract, powdered, 6601  
*purpurea* aerial parts, 6603  
*purpurea*, powdered, 6607  
*purpurea* root, 6605  
*purpurea* extract, powdered, 6610
- Echothiophate  
 iodide, 3649  
 iodide for ophthalmic solution, 3650
- Econazole nitrate, 3651
- Edetate  
 calcium disodium, 3652  
 calcium disodium injection, 3653  
 disodium, 2113, 3654, 8060  
 disodium injection, 3655  
 disodium TS, 2170  
 disodium, twentieth-molar (0.05 M), 2179
- Edetic acid, 2113, 7287
- Edrophonium  
 chloride, 3655  
 chloride injection, 3656
- Efavirenz, 3656  
 capsules, 3659  
 Tablets, 3661
- Egg phospholipids, 7288
- n*-Eicosane, 2113
- Eicosanol, 2113
- Elastomeric closures for injections (381), 295
- Electrolytes  
 and dextrose injection type 1, multiple,  
 3667, 8650  
 and dextrose injection type 2, multiple,  
 3669, 8654  
 and dextrose injection type 3, multiple,  
 3671, 8658  
 and dextrose injection type 4, multiple,  
 3672, 8661  
 and invert sugar injection type 1, multiple,  
 3673, 8662  
 and invert sugar injection type 2, multiple,  
 3675, 8663  
 and invert sugar injection type 3, multiple,  
 3676, 8665  
 and polyethylene glycol 3350 for oral  
 solution, 5441  
 injection type 1, multiple, 3664, 8645  
 injection type 2, multiple, 3666, 8647
- Elemental contaminants in dietary  
 supplements (2232), 2053
- Elemental impurities—limits (232), 268
- Elemental impurities—procedures (233), 271
- Elements  
 injection, trace, 3677
- Eleuthero, 6612  
 extract, powdered, 6615  
 powdered, 6614
- 
- Elixir**  
 Aromatic, 7163  
 Benzaldehyde, compound, 7172  
 Dexamethasone, 3399  
 Fluphenazine hydrochloride, 3984  
 Hyoscyamine sulfate, 4261
- 
- Elm, 3678
- Emedastine  
 difumarate, 3679  
 ophthalmic solution, 3679
- E**
- Earth, chromatographic, silanized, acid-base  
 washed, 2113
- Ecamsule  
 solution, 3647
- Echinacea*  
*angustifolia*, 6588  
*angustifolia*, powdered, 6591

- Emetine hydrochloride, 3680  
   injection, 3681  
 Enalapril maleate, 3682  
   and hydrochlorothiazide tablets, 3686  
   tablets, 3684  
 Enalaprilat, 3688  
   injection, 3689  
 Enalapril maleate  
   oral suspension, 3683, 8665  
 Enalapril maleate compounded, veterinary  
   oral suspension, 3683  
 Endotoxin indicator for depyrogenation,  
   3691  
 Endotoxin indicators for depyrogenation  
   (1228.5), 8367  
 Enflurane, 3691  
 Enoxaparin sodium, 3692  
   injection, 3695  
 Enrofloxacin, 3697  
 Enrofloxacin compounded, veterinary  
   oral suspension, 3699  
 Ensulizole, 3700  
 Entacapone, 3701  
   tablets, 3702  
 Entecavir, 3704  
   tablets, 3705  
 Enzacamene, 3707  
 Enzymatically-hydrolyzed  
   carboxymethylcellulose sodium, 7223  
 Enzymes used as ancillary materials in  
   pharmaceutical manufacturing (89), 175  
 Eosin Y, 2113, 2163  
   TS, 2170  
 Ephedrine, 3708  
   hydrochloride, 3708, 8061  
   hydrochloride, theophylline, and  
   phenobarbital tablets, 6101  
   sulfate, 3708  
   sulfate capsules, 3709  
   sulfate injection, 3709  
   sulfate nasal solution, 3711  
   sulfate oral solution, 3711  
 Epiandrosterone, 2113  
 4-Epianhydrotetracycline (226), 262  
 15-Epicarboprost, 2113  
 Epinephrine, 3711  
   and articaine hydrochloride injection, 2596  
   assay (391), 301  
   bitartrate, 3715  
   bitartrate inhalation aerosol, 3715  
   bitartrate ophthalmic solution, 3716  
   bitartrate for ophthalmic solution, 3717  
   and bupivacaine hydrochloride injection,  
   2808  
   and cocaine and tetracaine hydrochlorides  
   topical solution, 3275  
   inhalation aerosol, 3712  
   inhalation solution, 3713  
   injection, 3713  
   and lidocaine hydrochloride injection,  
   4567  
   nasal solution, 3714  
   ophthalmic solution, 3714  
   and prilocaine injection, 5520  
   and procaine hydrochloride injection, 5536  
 Epinephryl borate ophthalmic solution, 3717  
 Epirubicin hydrochloride, 3718  
   injection, 3719  
 Epite-tracycline hydrochloride, 3721  
 Eprinomectin, 3722  
 Equilenin, 2113  
 Equilin, 3724  
 Ergocalciferol, 3725  
   capsules, 3726  
   oral solution, 3727  
   tablets, 3728  
 $\alpha$ -Ergocryptine, 2113  
 Ergoloid mesylates, 3729  
   capsules, 3730  
   oral solution, 3731  
   sublingual tablets, 3732  
   tablets, 3731  
 Ergonovine maleate, 3733  
   injection, 3734  
   tablets, 3734  
 Ergotamine tartrate, 3735  
   and caffeine suppositories, 3740  
   and caffeine tablets, 3741  
   inhalation aerosol, 3736  
   injection, 3737  
   sublingual tablets, 3739  
   tablets, 3738  
 Eriochrome  
   black T, 2163  
   black TS, 2170  
   black T-sodium chloride indicator, 2113  
   black T trituration, 2163  
   cyanine R, 2113  
   cyanine TS, 2170  
 Erythorbic acid, 7289  
 Erythritol, 7290  
 Erythromycin, 3744  
   and benzoyl peroxide topical gel, 3751  
   delayed-release capsules, 3745  
   estolate, 3752  
   estolate capsules, 3753  
   estolate and sulfisoxazole acetyl oral  
   suspension, 3754  
   estolate oral suspension, 3753  
   estolate for oral suspension, 3753  
   estolate tablets, 3754  
   ethylsuccinate, 3755  
   ethylsuccinate injection, 3756  
   ethylsuccinate, sterile, 3757  
   ethylsuccinate and sulfisoxazole acetyl for  
   oral suspension, 3760  
   ethylsuccinate oral suspension, 3757  
   ethylsuccinate for oral suspension, 3757  
   ethylsuccinate tablets, 3758  
   topical gel, 3746  
   gluceptate, sterile, 3761  
   injection, 3746  
   intramammary infusion, 3746  
   lactobionate for injection, 3761  
   lactobionate, sterile, 3762  
   ointment, 3747  
   ophthalmic ointment, 3748  
   pledgets, 3749  
   topical solution, 3750  
   stearate, 3763  
   stearate tablets, 3764  
   tablets, 3750  
   delayed-release tablets, 3751  
 Erythropoietin bioassays (124), 201  
 Escin, 2114  
 Escitalopram  
   oral solution, 3764  
 Escitalopram oxalate, 3768  
 Escitalopram  
   tablets, 3767  
 Esmolol hydrochloride, 3770  
 Esomeprazole magnesium, 3771, 8666  
   delayed-release capsules, 3773  
 Estazolam, 3775  
   tablets, 3776  
 Estradiol, 3777  
   vaginal cream, 3778  
   vaginal inserts, 3779  
   transdermal system, 3781  
   tablets, 3784  
   benzoate, 3787  
   cypionate, 3789  
   cypionate injection, 3790  
   and norethindrone acetate tablets, 3785  
   valerate, 3790  
   valerate injection, 3791  
 Estriol, 3792  
 Estrogens  
   conjugated, 3793  
   esterified, 3797  
   tablets, conjugated, 3795  
   tablets, esterified, 3799  
 Estrone, 3800  
   injectable suspension, 3800  
 Estropipate, 3801  
   tablets, 3803  
   vaginal cream, 3802  
 Eszopiclone, 3804  
   tablets, 3805  
 Ethacrynate sodium for injection, 3807  
 Ethacrynic acid, 3808  
   tablets, 3808  
 Ethambutol hydrochloride, 3809  
   rifampin, isoniazid, and pyrazinamide  
   tablets, 5708  
   tablets, 3810  
 Ethanesulfonic acid, 2114  
 Ethchlorvynol, 3812  
   capsules, 3812  
 Ether, 2114, 3813  
   absolute, 2084, 2114  
   diphenyl, 2114  
   isopropyl, 2114  
   nonyl phenyl polyethylene glycol, 2114  
   peroxide-free, 2114  
 Ethidium bromide, 2114  
 Ethinyl estradiol, 3814  
   and desogestrel tablets, 3390  
   and drospirenone tablets, 3631, 8054  
   and ethynodiol diacetate tablets, 3825  
   and levonorgestrel tablets, 4552  
   and norethindrone acetate tablets, 5100  
   and norethindrone tablets, 5096  
   and norgestimate tablets, 5106  
   and norgestrel tablets, 5108  
   tablets, 3815  
 Ethiodized oil injection, 3816  
 Ethionamide, 3817  
   tablets, 3817  
 Ethopabate, 3818  
 Ethosuximide, 3819  
   capsules, 3820  
   oral solution, 3821  
 Ethotoin, 3821  
   tablets, 3823  
 4'-Ethoxyacetophenone, 2114  
 2-Ethoxyethanol, 2114  
 Ethyl  
   acetate, 2114, 7291  
   acrylate, 2114  
   acrylate and methacrylic acid copolymer,  
   7397  
   acrylate and methacrylic acid copolymer,  
   partially-neutralized, 7401  
   acrylate and methyl methacrylate  
   copolymer dispersion, 7292  
   alcohol, 2114  
   arachidate, 2114  
   benzoate, 2114  
   chloride, 3823  
   cyanoacetate, 2114  
   ether, 2114  
   ether, anhydrous, 2114  
   maltol, 7293  
   oleate, 7294, 7960

Ethyl (*continued*)  
 salicylate, 2114  
 vanillin, 7294  
 2-Ethylaminopropiophenone hydrochloride, 2114  
 4-Ethylbenzaldehyde, 2114  
 Ethylbenzene, 2114  
 Ethylcellulose, 7294  
   aqueous dispersion, 7296  
   dispersion type b, 7296  
 Ethylene  
   dichloride, 2114  
   glycol, 2115  
   glycol, diethylene glycol, and triethylene glycol in ethoxylated substances (469), 354  
   glycol monoethyl ether, 2115  
   glycol stearates, 7302  
   glycol and vinyl alcohol graft copolymer, 7299  
   oxide and dioxane (228), 264  
   oxide in methylene chloride (50 mg/mL), 2115  
 Ethylenediamine, 2115, 3824  
 N-Ethylmaleimide, 2115  
 2-Ethyl-2-methylsuccinic acid, 2115  
 Ethylparaben, 7302  
 Ethylparaben sodium, 7303  
 1-Ethylquinaldinium iodide, 2115  
 Ethynodiol diacetate, 3824  
   and ethinyl estradiol tablets, 3825  
   and mestranol tablets, 3825  
 Etidronate disodium, 3826, 8062  
 tablets, 3828  
 Etodolac, 3828  
   capsules, 3829  
   tablets, 3830  
   extended-release tablets, 3830  
 Etomidate, 3832  
   injection, 3833  
 Etoposide, 3835  
   capsules, 3836  
   injection, 3838  
 Eucalyptol, 3839  
 Eugenol, 3840  
 Evaluation of plastic packaging systems and their materials of construction with respect to their user safety impact (1661), 1827  
 Evaluation of the inner surface durability of glass containers (1660), 1822  
 Evening primrose oil, 6617  
   capsules, 6617  
 Excipient biological safety evaluation guidelines (1074), 1123  
 Excipient performance (1059), 1062  
 Excipients  
   USP and NF, listed by category, 7127, 8543  
 Exemestane, 8064  
 Expert committees (2015–2020), xii, 7616, 8202  
   *Food Chemicals Codex*, xviii, 7620, 8206  
   *USP Medicines Compendium*, xix, 8202  
   *National Formulary*, xvii, 7619, 8205  
   *United States Pharmacopeia*, xii, 7616, 8202  
   *United States Pharmacopeia and the Dietary Supplements Compendium*, xviii, 7619, 8206  
   *United States Pharmacopeia and USP on Compounding*, xviii, 7620, 8206  
 Expert Panels for the Council of Experts Executive Committee, xix, 8202

---

## Extract

Andrographis, powdered, 6463  
 Ashwagandha root, powdered, 6469  
 Astragalus root, dry, 6480  
 Aztec Marigold Zeaxanthin Extract, 6484  
*Bacillus subtilis* subsp. *subtilis*  
   menaquinone-7, 6757  
 Bacopa, powdered, 6489  
 Banaba leaf, dry, 6494  
 Beef, 2092  
 Belladonna, 2692  
 Belladonna tablets, 2693  
 Bilberry, powdered, 6500  
 Black cohosh, powdered, 6506  
 Black pepper, powdered, 6514  
*Boswellia serrata*, 6519  
 Cascara fluidextract, aromatic, 2968  
 Cascara sagrada, 2965  
 Cascara sagrada fluidextract, 2968  
 Cat's claw, powdered, 6537  
*Centella asiatica*, powdered, 6544  
 Chaste tree, powdered, 6553  
 Clover, red, powdered, 6801, 8535  
*Echinacea angustifolia*, powdered, 6594  
*Echinacea pallida*, powdered, 6601  
*Echinacea purpurea*, powdered, 6610  
 Eleuthero, powdered, 6615  
 Fenugreek seed, powdered, 6623  
 Garcinia hydroxycitrate, powdered, 6649  
 Garlic, powdered, 6658  
 Garlic fluidextract, 6659  
 Ginkgo, powdered, 6671  
 Ginseng, American, powdered, 6455  
 Ginseng, Asian, powdered, 6473  
 Goldenseal, powdered, 6694, 7932  
 Green tea, decaffeinated, powdered, 6697  
 Guggul, native, 6700  
 Guggul, purified, 6701  
 Gymnema, native, 6706  
 Gymnema, purified, 6708  
 Holy basil leaf powdered, 6717  
 Horse chestnut, powdered, 6557  
 Licorice, powdered, 6729  
 Licorice fluidextract, 7374  
 Malabar-nut-tree, leaf, powdered, 6745  
 Maritime pine, 6748  
 Milk thistle, powdered, 6764  
 Northern schisandra fruit, dry, 8533  
 Powdered *Rhodiola rosea*, 6809  
 Pygeum, 6792  
 Pyrethrum, 5619  
 Saw palmetto, 6827  
 Senna fluidextract, 5826  
 Soy isoflavones, powdered, 6841  
 St. John's wort, powdered, 6821, 8537  
 Stinging nettle, powdered, 6857  
 Tienchi ginseng root and rhizome, dry, 6863  
 Tomato, containing lycopene, 6739  
 Turmeric, powdered, 6868  
 Valerian, powdered, 6876  
 Yeast, 2161

---

Zetimibe, 3840  
 tablets, 3842

## F

F 18  
   injection, fludeoxyglucose, 3964  
   injection, sodium fluoride, 3965  
 Factor IX complex, 3844  
 Factor X<sub>a</sub> (activated factor X) for anti-factor X<sub>a</sub> test, 2115  
 Famciclovir, 3844  
 Famciclovir compounded  
   oral suspension, 3847  
 Famotidine, 3848  
   injection, 3849  
   for oral suspension, 3851  
   tablets, 3852  
 Fast  
   blue B salt, 2115  
   blue BB salt, 2115  
   green FCF, 2115  
 Fat, hard, 7304  
 Fats and fixed oils (401), 301  
 FD&C blue no. 1, 2115  
 Fehling's solution, 2170  
 Felbamate, 3854  
   oral suspension, 3855  
   tablets, 3857  
 Felodipine, 3858  
   extended-release tablets, 3860  
 Fenbendazole, 3863  
 Fennel oil, 7305  
 Fenofibrate, 3864  
   capsules, 3866  
   tablets, 3869  
 Fenoldopam mesylate, 3871  
   injection, 3872  
 Fenopropfen calcium, 3873  
   capsules, 3875  
   tablets, 3875  
 Fentanyl, 3876  
 Fentanyl citrate, 3877  
   injection, 3878  
 Fenugreek seed, 6619  
   powdered extract, 6623  
   powder, 6621  
 Ferric  
   ammonium citrate, 2115, 2510  
   ammonium citrate for oral solution, 2511  
   ammonium sulfate, 2116  
   ammonium sulfate, tenth-normal (0.1 N), 2179  
   ammonium sulfate TS, 2170  
   chloride, 2116  
   chloride CS, 2166  
   chloride TS, 2170  
   nitrate, 2116  
   oxide, 7305  
   subsulfate solution, 3878  
   sulfate, 2116, 3879  
 Ferrocypen, 2116  
 Ferroin TS, 2170  
 Ferrosoferric oxide, 7306  
 Ferrous  
   ammonium sulfate, 2116  
   ammonium sulfate, tenth-normal (0.1 N), 2179  
   fumarate, 3880  
   fumarate and docusate sodium extended-release tablets, 3882  
   fumarate tablets, 3881  
   gluconate, 3883  
   gluconate capsules, 3885  
   gluconate oral solution, 3886  
   gluconate tablets, 3887  
   sulfate, 2116, 3888

- Ferrous (*continued*)  
   sulfate, dried, 3891  
   sulfate oral solution, 3889  
   sulfate syrup, 3890  
   sulfate tablets, 3890  
   sulfate TS, 2170  
   sulfate, acid, TS, 2170  
 0.07 N Ferrous Ammonium Sulfate, 8458  
 Ferulic acid, 2116  
 Ferumoxides injection, 3892  
 Ferumoxsil oral suspension, 3894  
 Fetal bovine serum—quality attributes and functionality tests (90), 178  
 Feverfew, 6626  
   powdered, 6627  
 Fexofenadine hydrochloride, 3895  
   capsules, 3897  
   and pseudoephedrine hydrochloride extended-release tablets, 3901  
   tablets, 3899  
 Fibroblast growth factor-2, 2116  
 Fibroblasts  
   bilayer synthetic scaffold, construct human, 3293  
   polyglactin scaffold, construct human, 3298  
 Filgrastim, 3908  
 Filter paper, quantitative, 2116  
 Finasteride, 3912  
   tablets, 3913  
 Fish oil containing omega-3 acids, 6628  
   capsules, 6631  
   delayed-release capsules, 6634  
 Flame photometry for reagents, 2081  
 Flavoxate hydrochloride, 3914  
   tablets, 3915  
 Flax seed oil, 6635  
   capsules, 6635  
 Flecainide acetate, 3917  
   oral suspension, 3918, 8668  
   tablets, 3918  
 Flow cytometry (1027), 807  
 Floxuridine, 3919  
   for injection, 3920  
 Fluconazole, 3921  
   in dextrose injection, 3926  
   for oral suspension, 3932  
   injection, 3923  
   in sodium chloride injection, 3929  
   tablets, 3934  
 Flucytosine, 3935  
   capsules, 3936  
   oral suspension, 3937, 8669  
 Fludarabine phosphate, 3937  
   injection, 3940  
   for injection, 3941  
 Fludeoxyglucose F18 injection, 3964  
 Fludrocortisone acetate, 3943  
   tablets, 3943  
 Flumazenil, 3944  
   injection, 3946  
 Flumethasone pivalate, 3947  
   cream, 3947  
 Flunisolide, 3948  
   nasal solution, 3949  
 Flunixin meglumine, 3949  
   granules, 3951  
   injection, 3951  
   paste, 3952  
 Fluocinolone acetonide, 3953  
   cream, 3954  
   and neomycin sulfate cream, 5016  
   ointment, 3954  
   topical solution, 3955  
 Fluocinonide, 3955  
   cream, 3956  
   gel, 3957  
   ointment, 3957  
   topical solution, 3958  
 Fluorene, 2116  
 9-Fluorenylmethyl chloroformate, 2116  
 Fluorescamine, 2116  
 Fluorescein, 3958  
   injection, 3959  
   sodium, 3960  
   sodium and benoxinate hydrochloride ophthalmic solution, 3962  
   sodium ophthalmic strips, 3961  
   sodium and proparacaine hydrochloride ophthalmic solution, 3963  
 Fluorescence spectroscopy (853), 712  
 Fluorescence spectroscopy—theory and practice (1853), 1986  
 Fluorine  
   F 18 injection, fludeoxyglucose, 3964  
   F 18 injection, sodium fluoride, 3965  
 4'-Fluoroacetophenone, 2117  
 Fluorometholone, 3966, 8065  
   acetate, 3968  
   acetate and tobramycin ophthalmic suspension, 6179  
   cream, 3967  
   and neomycin sulfate ointment, 5016  
   ophthalmic suspension, 3967, 8067  
 Fluorouracil, 3969  
   cream, 3971  
   injection, 3971  
   topical solution, 3972  
 Fluoxetine  
   capsules, 3972  
   delayed-release capsules, 3974  
   hydrochloride, 3978  
   and olanzapine capsules, 5129  
   oral solution, 3975  
   tablets, 3976  
 Fluoxymesterone, 3979  
   tablets, 3980  
 Fluphenazine  
   decanoate, 3981  
   decanoate injection, 3982  
   enanthatate, 3983  
   enanthatate injection, 3983  
   hydrochloride, 3984  
   hydrochloride elixir, 3984  
   hydrochloride injection, 3985  
   hydrochloride oral solution, 3986  
   hydrochloride tablets, 3987  
 Flurandrenolide, 3988  
   cream, 3988  
   lotion, 3989  
   and neomycin sulfate cream, 5017  
   and neomycin sulfate lotion, 5017  
   and neomycin sulfate ointment, 5018  
   ointment, 3990  
   tape, 3990  
 Flurazepam hydrochloride, 3991  
   capsules, 3992  
 Flurbiprofen, 3992  
   sodium, 3994  
   sodium ophthalmic solution, 3995  
   tablets, 3993  
 Flutamide, 3996  
   capsules, 3997  
 Fluticasone  
   propionate and salmeterol inhalation aerosol, 4015  
   propionate and salmeterol inhalation powder, 4020  
 Fluticasone propionate, 3998  
   cream, 4000  
   inhalation aerosol, 4001  
   inhalation powder, 4005  
   nasal spray, 4010  
   ointment, 4013  
 Fluvastatin  
   capsules, 4028  
   sodium, 4026  
 Fluvoxamine maleate, 4030  
   tablets, 4031  
 Folic acid, 4033  
   assay (411), 315  
   injection, 4034  
   tablets, 4034  
 Folin-ciocalteu phenol TS, 2170  
 Fondaparinux sodium, 4035  
   injection, 4039  
 Formaldehyde  
   solution, 2117, 4041  
   TS, 2170  
 Formamide, 2117  
   anhydrous, 2117  
 Formic acid, 2117  
   96 percent, 2117  
   anhydrous, 2117  
 Formoterol fumarate, 4042  
 Forskohlii, 6637  
   extract, powdered, 6639  
   powdered, 6638  
 Foscarnet sodium, 4043  
 Fosfomycin tromethamine, 4045  
 Fosinopril sodium, 4046  
   and hydrochlorothiazide tablets, 4049  
   tablets, 4048  
 Fosphenytoin sodium, 4051  
   injection, 4052  
 Fructose, 4054  
   injection, 4054  
   and sodium chloride injection, 4055  
 Fuchsin  
   basic, 2117, 4056  
   pyrogallol TS, 2170  
   sulfurous acid TS, 2170  
 Fuller's earth, chromatographic, 2117  
 Fulvestrant, 4056  
 Fumaric acid, 7309  
 Fuming  
   nitric acid, 2117  
   sulfuric acid, 2117  
 Furazolidone, 4058  
   oral suspension, 4058  
   tablets, 4058  
 Furfural, 2117  
 Furosemide, 4059, 8068  
   injection, 4060  
   oral solution, 4061  
   tablets, 4061

**G**

- G designations, 2117  
 Ga 67 injection, gallium citrate, 4091  
 Gabapentin, 4063  
   capsules, 4064  
   tablets, 4065  
 Gadodiamide, 4067  
   injection, 4070  
 Gadolinium (Gd III) acetate hydrate, 2117  
 Gadolinium sulfate, 2117  
 Gadopentetate dimeglumine injection, 4071

Gadoteridol, 4073  
 injection, 4075  
 Gadoversetamide, 4076  
 injection, 4079  
 Galactose, 7310  
 Galageenan, 7311  
 Galantamine  
   extended-release capsules, 4080  
   hydrobromide, 4087  
   oral solution, 4083  
   tablets, 4085, 8670  
 Gallamine triethiodide, 4090  
 injection, 4090  
 Gallium citrate Ga 67 injection, 4091  
 Gamma cyclodextrin, 7270  
 Ganciclovir, 4092  
   for injection, 4092  
   oral suspension, 4093, 8672  
 Ganoderma lucidum fruiting body, 6641  
 Ganoderma lucidum fruiting body powder, 6644  
*Garcinia cambogia*, 6647  
   powdered, 6648  
*Garcinia hydroxycitrate*  
   extract, powdered, 6649  
*Garcinia indica*, 6651  
   powdered, 6652  
 Garlic, 6654  
   delayed-release tablets, 6660  
   extract, powdered, 6658  
   fluidextract, 6659  
   powdered, 6656  
 Gaseous sterilization (1229.7), 1677  
 Gastric fluid, simulated, TS, 2170  
 Gauze  
   absorbent, 4094  
   petrolatum, 4095

## Gel

Adapalene, 7983  
 Aluminum hydroxide, 2428  
 Aluminum hydroxide, dried, 2428  
 Aluminum hydroxide capsules, dried, 2429  
 Aluminum hydroxide tablets, dried, 2429  
 Aluminum phosphate, 2430  
 Aminobenzoic acid, 2469  
 Benzocaine, 2707  
 Benzocaine, butamben, and tetracaine hydrochloride, 2714  
 Benzoyl peroxide, 2723  
 Betamethasone benzoate, 2739  
 Chromatographic silica, 2103  
 Chromatographic silica mixture, 2103  
 Clindamycin phosphate, 3215  
 Desoximetasone, 3394  
 Dexamethasone, 3399  
 Dimethyl sulfoxide, 3516  
 Dyclonine hydrochloride, 3641  
 Erythromycin and benzoyl peroxide, topical, 3751  
 Erythromycin, topical, 3746  
 Fluocinonide, 3957  
 Gelatin, 7312, 7962  
   Gelatin film, absorbable, 4096  
   Gelatin sponge, absorbable, 4096  
   Gelatin TS, 2171  
 Hydrocortisone, 4220  
 Indomethacin, topical, 4309, 8684  
 Metronidazole, 4865, 8724  
 Naftifine hydrochloride, 4980  
 Phenol topical, camphorated, 5363  
 Salicylic acid, 5781

Selegiline compounded topical, 5822  
 Silica, 2143  
   Silica, binder-free, 2143  
   Silica, chromatographic, 2143  
   Silica, impregnated glass microfiber sheet, 2143  
   Silica mixture, chromatographic, 2144  
   Silica mixture, chromatographic, with chemically bound amino groups, 2144  
   Silica mixture, dimethylsilanized, chromatographic, 2144  
   Silica mixture, octadecylsilanized chromatographic, 2144  
   Silica mixture, octylsilanized, chromatographic, 2144  
   Silica, octadecylsilanized chromatographic, 2143  
   Silica, porous, 2143  
   Sodium fluoride and phosphoric acid, 5875  
   Sodium sulfide topical, 5893  
   Stannous fluoride, 5910  
   Tolnaftate, 6194  
   Tretinoin, 6233

Gelatin, 7312, 7962  
   film, absorbable, 4096  
   sponge, absorbable, 4096  
   TS, 2171  
 Gellan gum, 7314  
 Gemcitabine  
   for injection, 4098  
   hydrochloride, 4096  
 Gemfibrozil, 4099  
   capsules, 4100  
   tablets, 4101, 8069  
 Gene therapy products (1047), 960

## General chapters

(1) Injections and implanted drug products (parenterals)—product quality tests, 63  
 (2) Oral drug products—product quality tests, 76, 8279  
 (3) Topical and transdermal drug products—product quality tests, 81, 8284  
 (4) Mucosal drug products—product quality tests, 86, 8292  
 (5) Inhalation and nasal drug products general information and product quality tests, 90, 8296  
 (7) Labeling, 97  
 (11) USP reference standards, 103  
 (17) Prescription container labeling, 106, 7691  
 (21) Thermometers, 109  
 (31) Volumetric apparatus, 109  
 (41) Balances, 110  
 (51) Antimicrobial effectiveness testing, 111  
 (55) Biological indicators—resistance performance tests, 114, 7694  
 (61) Microbiological examination of nonsterile products: microbial enumeration tests, 117  
 (62) Microbiological examination of nonsterile products: tests for specified organisms, 123  
 (63) Mycoplasma tests, 130  
 (71) Sterility tests, 136

(81) Antibiotics—microbial assays, 143  
 (85) Bacterial endotoxins test, 161  
 (87) Biological reactivity tests, in vitro, 167, 7697  
 (88) Biological reactivity tests, in vivo, 169  
 (89) Enzymes used as ancillary materials in pharmaceutical manufacturing, 175  
 (90) Fetal bovine serum—quality attributes and functionality tests, 178  
 (91) Calcium pantothenate assay, 182  
 (92) Growth factors and cytokines used in cell therapy manufacturing, 183  
 (111) Design and analysis of biological assays, 187  
 (115) Dexpanthenol assay, 191  
 (121) Insulin assays, 193  
 (121.1) Physicochemical analytical procedures for insulins, 195, 8304  
 (123) Glucagon bioidentity tests, 198  
 (124) Erythropoietin bioassays, 201  
 (126) Somatropin bioidentity tests, 202  
 (129) Analytical procedures for recombinant therapeutic monoclonal antibodies, 204  
 (130) Protein A quality attributes, 210  
 (151) Pyrogen test, 217  
 (161) Medical devices—bacterial endotoxin and pyrogen tests, 219  
 (162) Diphtheria antitoxin potency testing for human immune globulins, 222  
 (171) Vitamin B<sub>12</sub> activity assay, 224  
 (181) Identification—organic nitrogenous bases, 226  
 (191) Identification tests—general, 227, 7701  
 (193) Identification—tetracyclines, 230  
 (197) Spectrophotometric identification tests, 230  
 (201) Thin-layer chromatographic identification test, 231  
 (202) Identification of fixed oils by thin-layer chromatography, 233  
 (203) High-performance thin-layer chromatography procedure for identification of articles of botanical origin, 234  
 (206) Aluminum, 236  
 (207) Test for 1,6-anhydro derivative for enoxaparin sodium, 237  
 (208) Anti-factor Xa and anti-factor IIa assays for unfractionated and low molecular weight heparins, 242  
 (209) Low molecular weight heparin molecular weight determinations, 246  
 (211) Arsenic, 248  
 (212) Oligosaccharide analysis, 249, 8307  
 (221) Chloride and sulfate, 261  
 (223) Dimethylaniline, 261  
 (226) 4-Epianhydrotetracycline, 262  
 (227) 4-Aminophenol in acetaminophen-containing drug products, 262  
 (228) Ethylene oxide and dioxane, 264  
 (231) Heavy metals, 266  
 (232) Elemental impurities—limits, 268  
 (233) Elemental impurities—procedures, 271  
 (241) Iron, 275  
 (251) Lead, 276  
 (261) Mercury, 277  
 (267) Porosimetry by mercury intrusion, 279  
 (268) Porosity by nitrogen adsorption-desorption, 282  
 (271) Readily carbonizable substances test, 286



**General chapters** (*continued*)

- (281) Residue on ignition, 286
- (291) Selenium, 287
- (301) Acid-neutralizing capacity, 287
- (311) Alginates assay, 288
- (341) Antimicrobial agents—content, 290, 8320
- (345) Assay for citric acid/citrate and phosphate, 293
- (351) Assay for steroids, 294
- (371) Cobalamin radiotracer assay, 294
- (381) Elastomeric closures for injections, 295
- (391) Epinephrine assay, 301
- (401) Fats and fixed oils, 301
- (411) Folic acid assay, 315
- (413) Impurities testing in medical gases, 319
- (415) Medical gases assay, 320
- (425) Iodometric assay—antibiotics, 323
- (429) Light diffraction measurement of particle size, 324
- (431) Methoxy determination, 329
- (441) Niacin or niacinamide assay, 331
- (451) Nitrite titration, 336
- (461) Nitrogen determination, 337
- (466) Ordinary impurities, 338
- (467) Residual solvents, 339
- (469) Ethylene glycol, diethylene glycol, and triethylene glycol in ethoxylated substances, 354
- (471) Oxygen flask combustion, 355
- (481) Riboflavin assay, 356
- (501) Salts of organic nitrogenous bases, 357
- (503) Acetic acid in peptides, 357
- (503.1) Trifluoroacetic acid (TFA) in peptides, 359
- (507) Protein determination procedures, 7712
- (511) Single-steroid assay, 360
- (525) Sulfur dioxide, 361
- (531) Thiamine assay, 366
- (541) Titrimetry, 367
- (551) Vitamin E assay, 370
- (561) Articles of botanical origin, 377
- (563) Identification of articles of botanical origin, 391
- (565) Botanical extracts, 403
- (571) Vitamin A assay, 405
- (580) Vitamin C assay, 410
- (581) Vitamin D assay, 413
- (591) Zinc determination, 422
- (601) Inhalation and nasal drug products: aerosols, sprays, and powders—performance quality tests, 423
- (602) Propellants, 449
- (603) Topical aerosols, 450
- (604) Leak rate, 451
- (610) Alternative microbiological sampling methods for nonsterile inhaled and nasal products, 452
- (611) Alcohol determination, 454
- (616) Bulk density and tapped density of powders, 456
- (621) Chromatography, 459
- (631) Color and achromicity, 471
- (641) Completeness of solution, 472
- (643) Total organic carbon, 472
- (645) Water conductivity, 474
- (651) Congealing temperature, 477
- (659) Packaging and storage requirements, 479
- (660) Containers—glass, 486
- (661) Plastic packaging systems and their materials of construction, 492
- (661.1) Plastic materials of construction, 493
- (661.2) Plastic packaging systems for pharmaceutical use, 506
- (670) Auxiliary packaging components, 510
- (671) Containers—performance testing, 518
- (691) Cotton, 526
- (695) Crystallinity, 528
- (696) Characterization of crystalline solids by microcalorimetry and solution calorimetry, 528
- (697) Container content for injections, 532
- (698) Deliverable volume, 532
- (699) Density of solids, 535
- (701) Disintegration, 537
- (705) Quality attributes of tablets labeled as having a functional score, 539
- (711) Dissolution, 540
- (721) Distilling range, 551
- (724) Drug release, 552
- (729) Globule size distribution in lipid injectable emulsions, 559
- (730) Plasma spectrochemistry, 562
- (731) Loss on drying, 565
- (733) Loss on ignition, 566
- (735) X-ray fluorescence spectrometry, 566
- (736) Mass spectrometry, 571
- (741) Melting range or temperature, 576
- (751) Metal particles in ophthalmic ointments, 578
- (755) Minimum fill, 579
- (761) Nuclear magnetic resonance spectroscopy, 580
- (771) Ophthalmic products—quality tests, 589, 8327
- (776) Optical microscopy, 595
- (781) Optical rotation, 597
- (785) Osmolality and osmolarity, 599
- (786) Particle size distribution estimation by analytical sieving, 601
- (787) Subvisible particulate matter in therapeutic protein injections, 605
- (788) Particulate matter in injections, 608
- (789) Particulate matter in ophthalmic solutions, 611
- (790) Visible particulates in injections, 613
- (791) pH, 614, 7717
- (795) Pharmaceutical compounding—nonsterile preparations, 617
- (797) Pharmaceutical compounding—sterile preparations, 626
- (800) Hazardous drugs—handling in healthcare settings, 7721
- (801) Polarography, 670
- (811) Powder fineness, 675
- (821) Radioactivity, 675
- (823) Positron emission tomography drugs for compounding, investigational, and research uses, 686
- (831) Refractive index, 695
- (841) Specific gravity, 695
- (846) Specific surface area, 697
- (851) Spectrophotometry and light-scattering, 700
- (852) Atomic absorption spectroscopy, 708
- (853) Fluorescence spectroscopy, 712
- (854) Mid-infrared spectroscopy, 718
- (855) Nephelometry, turbidimetry, and visual comparison, 722
- (857) Ultraviolet-visible spectroscopy, 723
- (861) Sutures—diameter, 730
- (871) Sutures—needle attachment, 731
- (881) Tensile strength, 732
- (891) Thermal analysis, 733
- (905) Uniformity of dosage units, 736
- (911) Viscosity—capillary methods, 740
- (912) Viscosity—rotational methods, 742
- (913) Viscosity—rolling ball method, 747
- (914) Viscosity—pressure driven methods, 749
- (921) Water determination, 750
- (941) Characterization of crystalline and partially crystalline solids by X-ray powder diffraction (XRPD), 755
- (1004) Mucosal Drug Products—Performance Tests, 8341
- (1005) Acoustic emission, 763
- (1010) Analytical data—interpretation and treatment, 767
- (1015) Automated radiochemical synthesis apparatus, 782
- (1024) Bovine serum, 784
- (1025) Pancreatin, 797
- (1027) Flow cytometry, 807
- (1030) Biological assay chapters—overview and glossary, 823
- (1031) The biocompatibility of materials used in drug containers, medical devices, and implants, 834
- (1032) Design and development of biological assays, 844
- (1033) Biological assay validation, 862
- (1034) Analysis of biological assays, 877
- (1035) Biological indicators for sterilization, 890, 7740
- (1041) Biologics, 895
- (1043) Ancillary materials for cell, gene, and tissue-engineered products, 896
- (1044) Cryopreservation of cells, 905
- (1045) Biotechnology-derived articles, 917
- (1046) Cellular and tissue-based products, 932
- (1047) Gene therapy products, 960
- (1048) Quality of biotechnological products: analysis of the expression construct in cells used for production of r-DNA derived protein products, 989
- (1049) Quality of biotechnological products: stability testing of biotechnological/biological products, 991
- (1050) Viral safety evaluation of biotechnology products derived from cell lines of human or animal origin, 996
- (1050.1) Design, evaluation and characterization of viral clearance procedures, 7745
- (1051) Cleaning glass apparatus, 1011
- (1052) Biotechnology-derived articles—amino acid analysis, 1011
- (1053) Capillary electrophoresis, 1024
- (1054) Biotechnology-derived articles—isolectric focusing, 1032
- (1055) Biotechnology-derived articles—peptide mapping, 1035
- (1056) Biotechnology-derived articles—polyacrylamide gel electrophoresis, 1041
- (1057) Biotechnology-derived articles—total protein assay, 1049
- (1058) Analytical instrument qualification, 1055
- (1059) Excipient performance, 1062
- (1061) Color—instrumental measurement, 1091
- (1063) Shear Cell Methodology For Powder Flow Testing, 8348

**General chapters** (continued)

- <1064> Identification of articles of botanical origin by high-performance thin-layer chromatography procedure, 1093
- <1065> Ion chromatography, 1103, 7755
- <1066> Physical environments that promote safe medication use, 1106
- <1072> Disinfectants and antiseptics, 1118
- <1074> Excipient biological safety evaluation guidelines, 1123
- <1078> Good manufacturing practices for bulk pharmaceutical excipients, 1128
- <1079> Good storage and distribution practices for drug products, 1148
- <1080> Bulk pharmaceutical excipients—certificate of analysis, 1158
- <1084> Glycoprotein and glycan analysis—general considerations, 1165
- <1086> Impurities in drug substances and drug products, 1176
- <1087> Apparent intrinsic dissolution—dissolution testing procedures for rotating disk and stationary disk, 1179
- <1088> In vitro and in vivo evaluation of dosage forms, 1183
- <1090> Assessment of drug product performance—bioavailability, bioequivalence, and dissolution, 1194
- <1091> Labeling of inactive ingredients, 1202
- <1092> The dissolution procedure: development and validation, 1202
- <1094> Capsules—dissolution testing and related quality attributes, 1222
- <1097> Bulk powder sampling procedures, 1230
- <1102> Immunological test methods—general considerations, 1242
- <1103> Immunological test methods—enzyme-linked immunosorbent assay (ELISA), 1250
- <1104> Immunological test methods—immunoblot analysis, 1261
- <1105> Immunological test methods—surface plasmon resonance, 1272
- <1106> Immunogenicity assays—design and validation of immunoassays to detect anti-drug antibodies, 1288
  - <1106.1> Immunogenicity assays—design and validation of assays to detect anti-drug neutralizing antibody, 1303
- <1111> Microbiological examination of nonsterile products: acceptance criteria for pharmaceutical preparations and substances for pharmaceutical use, 1321
- <1112> Application of water activity determination to nonsterile pharmaceutical products, 1322
- <1113> Microbial characterization, identification, and strain typing, 1325
- <1115> Bioburden control of nonsterile drug substances and products, 1329
- <1116> Microbiological control and monitoring of aseptic processing environments, 1336
- <1117> Microbiological best laboratory practices, 1349
- <1118> Monitoring devices—time, temperature, and humidity, 1355
- <1119> Near-infrared spectroscopy, 1361
- <1120> Raman spectroscopy, 1367
- <1121> Nomenclature, 1375
- <1125> Nucleic acid-based techniques—general, 1377
  - <1126> Nucleic acid-based techniques—extraction, detection, and sequencing, 1383
  - <1127> Nucleic acid-based techniques—amplification, 1393
  - <1128> Nucleic acid-based techniques—microarray, 1403
  - <1129> Nucleic acid-based techniques—genotyping, 1409
  - <1130> Nucleic acid-based techniques—approaches for detecting trace nucleic acids (residual DNA testing), 1413, 8359
  - <1132> Residual host cell protein measurement in biopharmaceuticals, 1416
  - <1136> Packaging and repackaging—single unit containers, 1436
  - <1151> Pharmaceutical dosage forms, 1445
  - <1152> Animal drugs for use in animal feeds, 1468
  - <1160> Pharmaceutical calculations in pharmacy practice, 1470
  - <1163> Quality assurance in pharmaceutical compounding, 1493
  - <1171> Phase-solubility analysis, 1500
  - <1174> Powder flow, 1502
  - <1176> Prescription balances and volumetric apparatus, 1507, 7758
  - <1177> Good packaging practices, 1509
  - <1178> Good repackaging practices, 1511
  - <1180> Human plasma, 1513
  - <1181> Scanning electron microscopy, 1536
  - <1184> Sensitization testing, 1546
  - <1191> Stability considerations in dispensing practice, 1557
  - <1195> Significant change guide for bulk pharmaceutical excipients, 1561
  - <1197> Good distribution practices for bulk pharmaceutical excipients, 1572
  - <1207> Sterile product packaging—integrity evaluation, 1594, 7764
    - <1207.1> Package integrity and test method selection, 7772
    - <1207.2> Package integrity leak test technologies, 7784
    - <1207.3> Package seal quality test technologies, 7801
  - <1208> Sterility testing—validation of isolator systems, 1596
  - <1209> Sterilization—chemical and physicochemical indicators and integrators, 1601, 7804
  - <1211> Sterilization and sterility assurance of compendial articles, 1604
    - <1216> Tablet friability, 1609
    - <1217> Tablet breaking force, 1610
  - <1222> Terminally sterilized pharmaceutical products—parametric release, 1613
  - <1223> Validation of alternative microbiological methods, 1616
    - <1223.1> Validation of alternative methods to antibiotic microbial assays, 1630
  - <1224> Transfer of analytical procedures, 1638
  - <1225> Validation of compendial procedures, 1640
  - <1226> Verification of compendial procedures, 1646
  - <1227> Validation of microbial recovery from pharmacopeial articles, 1647
  - <1228> Depyrogenation, 7807
    - <1228.1> Dry heat depyrogenation, 7811
    - <1228.3> Depyrogenation By Filtration, 8363
    - <1228.5> Endotoxin indicators for depyrogenation, 8367
  - <1229> Sterilization of compendial articles, 1651
    - <1229.1> Steam sterilization by direct contact, 1656
    - <1229.2> Moist heat sterilization of aqueous liquids, 1659
    - <1229.3> Monitoring of bioburden, 1664
    - <1229.4> Sterilizing filtration of liquids, 1667
    - <1229.5> Biological indicators for sterilization, 7815
    - <1229.6> Liquid-phase sterilization, 1674
    - <1229.7> Gaseous sterilization, 1677
    - <1229.8> Dry heat sterilization, 1680
    - <1229.9> Physicochemical integrators and indicators for sterilization, 7818
    - <1229.10> Radiation sterilization, 1683
    - <1229.11> Vapor phase sterilization, 1687
    - <1229.12> New sterilization methods, 7819
    - <1229.13> Sterilization-In-Place, 8371
  - <1230> Water for hemodialysis applications, 1688
  - <1231> Water for pharmaceutical purposes, 1690, 8373
  - <1234> Vaccines for human use—polysaccharide and glycoconjugate vaccines, 1715
  - <1235> Vaccines for human use—general considerations, 1731
  - <1237> Virology test methods, 1749
  - <1238> Vaccines for human use—bacterial vaccines, 1770
  - <1240> Virus testing of human plasma for further manufacture, 1783
  - <1241> Water–solid interactions in pharmaceutical systems, 1793
  - <1251> Weighing on an analytical balance, 1797
  - <1265> Written prescription drug information—guidelines, 1803
  - <1285> Preparation of biological specimens for histologic and immunohistochemical analysis, 1805
    - <1285.1> Hematoxylin and eosin staining of sectioned tissue for microscopic examination, 1809
  - <1601> Products for nebulization—characterization tests, 1811
  - <1644> Theory and practice of electrical conductivity measurements of solutions, 1815
  - <1660> Evaluation of the inner surface durability of glass containers, 1822
  - <1661> Evaluation of plastic packaging systems and their materials of construction with respect to their user safety impact, 1827
  - <1663> Assessment of extractables associated with pharmaceutical packaging/delivery systems, 1835
  - <1664> Assessment of drug product leachables associated with pharmaceutical packaging/delivery systems, 1850
    - <1664.1> Orally inhaled and nasal drug products, 1862
  - <1724> Semisolid drug products—performance tests, 1869
  - <1730> Plasma spectrochemistry—theory and practice, 1881

**General chapters** (*continued*)

- (1735) X-ray fluorescence spectrometry—  
theory and practice, 1888
- (1736) Applications of mass spectrometry,  
1907
- (1761) Applications of nuclear magnetic  
resonance spectroscopy, 1929
- (1771) Ophthalmic products—performance  
tests, 1950
- (1782) Vibrational Circular Dichroism  
Spectroscopy Theory And Practice, 8409
- (1787) Measurement of subvisible  
particulate matter in therapeutic protein  
injections, 1950
- (1788) Methods for the determination of  
particulate matter in injections and  
ophthalmic solutions, 1963
- (1852) Atomic absorption spectroscopy—  
theory and practice, 1976
- (1853) Fluorescence spectroscopy—theory  
and practice, 1986
- (1854) Mid-infrared spectroscopy—theory  
and practice, 1995
- (1857) Ultraviolet-visible spectroscopy—  
theory and practice, 2004
- (1911) Rheometry, 2012
- (2021) Microbial enumeration tests—  
nutritional and dietary supplements,  
2019
- (2022) Microbiological procedures for  
absence of specified microorganisms—  
nutritional and dietary supplements,  
2024
- (2023) Microbiological attributes of  
nonsterile nutritional and dietary  
supplements, 2030
- (2030) Supplemental information for  
articles of botanical origin, 2034
- (2040) Disintegration and dissolution of  
dietary supplements, 2044, 8423
- (2091) Weight variation of dietary  
supplements, 2051
- (2232) Elemental contaminants in dietary  
supplements, 2053
- (2250) Detection of irradiated dietary  
supplements, 2056
- (2251) Adulteration of dietary supplements  
with drugs and drug analogs, 7821
- (2750) Manufacturing practices for dietary  
supplements, 2059, 8431
- (782) Vibrational circular dichroism  
spectroscopy, 8333

**General chapters**

- Applications of mass spectrometry (1736),  
1907
- Acetic acid in peptides (503), 357
- Acid-neutralizing capacity (301), 287
- Acoustic emission (1005), 763
- Adulteration of dietary supplements with  
drugs and drug analogs (2251), 7821
- Alcohol determination (611), 454
- Alginate assay (311), 288
- Alternative microbiological sampling  
methods for nonsterile inhaled and nasal  
products (610), 452
- Aluminum (206), 236
- 4-Aminophenol in acetaminophen-  
containing drug products (227), 262
- Analysis of biological assays (1034), 877
- Analytical data—interpretation and  
treatment (1010), 767

- Analytical instrument qualification (1058),  
1055
- Analytical procedures for recombinant  
therapeutic monoclonal antibodies  
(129), 204
- Ancillary materials for cell, gene, and  
tissue-engineered products (1043), 896
- Animal drugs for use in animal feeds  
(1152), 1468
- Antibiotics—microbial assays (81), 143
- Anti-factor Xa and anti-factor IIa assays for  
unfractionated and low molecular  
weight heparins (208), 242
- Antimicrobial agents—content (341), 290,  
8320
- Antimicrobial effectiveness testing (51),  
111
- Apparent intrinsic dissolution—dissolution  
testing procedures for rotating disk and  
stationary disk (1087), 1179
- Applications of nuclear magnetic  
resonance spectroscopy (1761), 1929
- Application of water activity determination  
to nonsterile pharmaceutical products  
(1112), 1322
- Arsenic (211), 248
- Articles of botanical origin (561), 377
- Assay for citric acid/citrate and phosphate  
(345), 293
- Assay for steroids (351), 294
- Assessment of drug product  
performance—bioavailability,  
bioequivalence, and dissolution (1090),  
1194
- Assessment of drug product leachables  
associated with pharmaceutical  
packaging/delivery systems (1664), 1850
- Assessment of extractables associated with  
pharmaceutical packaging/delivery  
systems (1663), 1835
- Atomic absorption spectroscopy (852), 708
- Atomic absorption spectroscopy—theory  
and practice (1852), 1976
- Automated radiochemical synthesis  
apparatus (1015), 782
- Auxiliary packaging components (670),  
510
- Bacterial endotoxins test (85), 161
- Balances (41), 110
- Bioburden control of nonsterile drug  
substances and products (1115), 1329
- The biocompatibility of materials used in  
drug containers, medical devices, and  
implants (1031), 834
- Biological assay chapters—overview and  
glossary (1030), 823
- Biological assay validation (1033), 862
- Biological indicators—resistance  
performance tests (55), 114, 7694
- Biological indicators for sterilization (1035),  
890, 7740
- Biological indicators for sterilization  
(1229.5), 7815
- Biological reactivity tests, in vitro (87),  
167, 7697
- Biological reactivity tests, in vivo (88), 169
- Biologics (1041), 895
- Biotechnology-derived articles (1045), 917
- Biotechnology-derived articles—amino acid  
analysis (1052), 1011
- Biotechnology-derived articles—isoelectric  
focusing (1054), 1032
- Biotechnology-derived articles—peptide  
mapping (1055), 1035
- Biotechnology-derived articles—  
polyacrylamide gel electrophoresis  
(1056), 1041
- Biotechnology-derived articles—total  
protein assay (1057), 1049
- Botanical extracts (565), 403
- Bovine serum (1024), 784
- Bulk density and tapped density of  
powders (616), 456
- Bulk pharmaceutical excipients—certificate  
of analysis (1080), 1158
- Bulk powder sampling procedures (1097),  
1230
- Calcium pantothenate assay (91), 182
- Capillary electrophoresis (1053), 1024
- Capsules—dissolution testing and related  
quality attributes (1094), 1222
- Cellular and tissue-based products (1046),  
932
- Characterization of crystalline and partially  
crystalline solids by X-ray powder  
diffraction (XRPD) (941), 755
- Characterization of crystalline solids by  
microcalorimetry and solution  
calorimetry (696), 528
- Chloride and sulfate (221), 261
- Chromatography (621), 459
- Cleaning glass apparatus (1051), 1011
- Cobalamin radiotracer assay (371), 294
- Color and achromicity (631), 471
- Color—instrumental measurement (1061),  
1091
- Completeness of solution (641), 472
- Congealing temperature (651), 477
- Container content for injections (697), 532
- Containers—glass (660), 486
- Containers—performance testing (671),  
518
- Cotton (691), 526
- Cryopreservation of cells (1044), 905
- Crystallinity (695), 528
- Deliverable volume (698), 532
- Density of solids (699), 535
- Depyrogenation (1228), 7807
- Depyrogenation by filtration (1228.3),  
8363
- Design, evaluation and characterization of  
viral clearance procedures (1050.1),  
7745
- Design and analysis of biological assays  
(111), 187
- Design and development of biological  
assays (1032), 844
- Detection of irradiated dietary supplements  
(2250), 2056
- Dexpanthenol assay (115), 191
- Dimethylaniline (223), 261
- Diphtheria antitoxin potency testing for  
human immune globulins (162), 222
- Disinfectants and antiseptics (1072), 1118
- Disintegration (701), 537
- Disintegration and dissolution of dietary  
supplements (2040), 2044, 8423
- Dissolution (711), 540
- The dissolution procedure: development  
and validation (1092), 1202
- Distilling range (721), 551
- Drug release (724), 552
- Dry heat depyrogenation (1228.1), 7811
- Dry heat sterilization (1229.8), 1680
- Elastomeric closures for injections (381),  
295
- Elemental contaminants in dietary  
supplements (2232), 2053
- Elemental impurities—limits (232), 268

**General chapters** (*continued*)

- Elemental impurities—procedures (233), 271
- Endotoxin indicators for depyrogenation (1228.5), 8367
- Enzymes used as ancillary materials in pharmaceutical manufacturing (89), 175
- 4-Epianhydrotetracycline (226), 262
- Epinephrine assay (391), 301
- Erythropoietin bioassays (124), 201
- Ethylene glycol, diethylene glycol, and triethylene glycol in ethoxylated substances (469), 354
- Ethylene oxide and dioxane (228), 264
- Evaluation of plastic packaging systems and their materials of construction with respect to their user safety impact (1661), 1827
- Evaluation of the inner surface durability of glass containers (1660), 1822
- Excipient biological safety evaluation guidelines (1074), 1123
- Excipient performance (1059), 1062
- Fats and fixed oils (401), 301
- Fetal bovine serum—quality attributes and functionality tests (90), 178
- Flow cytometry (1027), 807
- Fluorescence spectroscopy (853), 712
- Fluorescence spectroscopy—theory and practice (1853), 1986
- Folic acid assay (411), 315
- Gaseous sterilization (1229.7), 1677
- Gene therapy products (1047), 960
- Globule size distribution in lipid injectable emulsions (729), 559
- Glucagon bioidentity tests (123), 198
- Glycoprotein and glycan analysis—general considerations (1084), 1165
- Good distribution practices for bulk pharmaceutical excipients (1197), 1572
- Good manufacturing practices for bulk pharmaceutical excipients (1078), 1128
- Good packaging practices (1177), 1509
- Good repackaging practices (1178), 1511
- Good storage and distribution practices for drug products (1079), 1148
- Growth factors and cytokines used in cell therapy manufacturing (92), 183
- Hazardous drugs—handling in healthcare settings (800), 7721
- Heavy metals (231), 266
- Hematoxylin and eosin staining of sectioned tissue for microscopic examination (1285.1), 1809
- High-performance thin-layer chromatography procedure for identification of articles of botanical origin (203), 234
- Human plasma (1180), 1513
- Identification of articles of botanical origin (563), 391
- Identification of articles of botanical origin by high-performance thin-layer chromatography procedure (1064), 1093
- Identification of fixed oils by thin-layer chromatography (202), 233
- Identification—organic nitrogenous bases (181), 226
- Identification tests—general (191), 227, 7701
- Identification—tetracyclines (193), 230
- Immunogenicity assays—design and validation of immunoassays to detect anti-drug antibodies (1106), 1288
- Immunological test methods—surface plasmon resonance (1105), 1272
- Immunological test methods—enzyme-linked immunosorbent assay (ELISA) (1103), 1250
- Immunological test methods—general considerations (1102), 1242
- Immunological test methods—immunoblot analysis (1104), 1261
- Impurities in drug substances and drug products (1086), 1176
- Impurities testing in medical gases (413), 319
- Inhalation and nasal drug products: aerosols, sprays, and powders—performance quality tests (601), 423
- Inhalation and nasal drug products—general information and product quality tests (5), 90, 8296
- Injections and implanted drug products (parenterals)—product quality tests (1), 63
- Insulin assays (121), 193
- In vitro and in vivo evaluation of dosage forms (1088), 1183
- Iodometric assay—antibiotics (425), 323
- Ion chromatography (1065), 1103, 7755
- Iron (241), 275
- Labeling (7), 97
- Labeling of inactive ingredients (1091), 1202
- Lead (251), 276
- Leak rate (604), 451
- Light diffraction measurement of particle size (429), 324
- Liquid-phase sterilization (1229.6), 1674
- Loss on drying (731), 565
- Loss on ignition (733), 566
- Low molecular weight heparin molecular weight determinations (209), 246
- Manufacturing practices for dietary supplements (2750), 2059, 8431
- Mass spectrometry (736), 571
- Measurement of subvisible particulate matter in therapeutic protein injections (1787), 1950
- Medical devices—bacterial endotoxin and pyrogen tests (161), 219
- Medical gases assay (415), 320
- Melting range or temperature (741), 576
- Mercury (261), 277
- Metal particles in ophthalmic ointments (751), 578
- Methods for the determination of particulate matter in injections and ophthalmic solutions (1788), 1963
- Methoxy determination (431), 329
- Microbial characterization, identification, and strain typing (1113), 1325
- Microbial enumeration tests—nutritional and dietary supplements (2021), 2019
- Microbiological attributes of nonsterile nutritional and dietary supplements (2023), 2030
- Microbiological best laboratory practices (1117), 1349
- Microbiological control and monitoring of aseptic processing environments (1116), 1336
- Microbiological examination of nonsterile products: acceptance criteria for pharmaceutical preparations and substances for pharmaceutical use (1111), 1321
- Microbiological examination of nonsterile products: microbial enumeration tests (61), 117
- Microbiological examination of nonsterile products: tests for specified organisms (62), 123
- Microbiological procedures for absence of specified microorganisms—nutritional and dietary supplements (2022), 2024
- Mid-infrared spectroscopy (854), 718
- Mid-infrared spectroscopy—theory and practice (1854), 1995
- Minimum fill (755), 579
- Moist heat sterilization of aqueous liquids (1229.2), 1659
- Monitoring devices—time, temperature, and humidity (1118), 1355
- Monitoring of bioburden (1229.3), 1664
- Mucosal drug products—performance tests (1004), 8341
- Mucosal drug products—product quality tests (4), 86, 8292
- Mycoplasma tests (63), 130
- Near-infrared spectroscopy (1119), 1361
- Nephelometry, turbidimetry, and visual comparison (855), 722
- New sterilization methods (1229.12), 7819
- Niacin or niacinamide assay (441), 331
- Nitrite titration (451), 336
- Nitrogen determination (461), 337
- Nomenclature (1121), 1375
- Nuclear magnetic resonance spectroscopy (761), 580
- Nucleic acid-based techniques—amplification (1127), 1393
- Nucleic acid-based techniques—approaches for detecting trace nucleic acids (residual DNA testing) (1130), 1413, 8359
- Nucleic acid-based techniques—extraction, detection, and sequencing (1126), 1383
- Nucleic acid-based techniques—general (1125), 1377
- Nucleic acid-based techniques—genotyping (1129), 1409
- Nucleic acid-based techniques—microarray (1128), 1403
- Oligosaccharide analysis (212), 249, 8307
- Ophthalmic products—performance tests (1771), 1950
- Ophthalmic products—quality tests (771), 589, 8327
- Optical microscopy (776), 595
- Optical rotation (781), 597
- Oral drug products—product quality tests (2), 76, 8279
- Orally inhaled and nasal drug products (1664.1), 1862
- Ordinary impurities (466), 338
- Osmolality and osmolarity (785), 599
- Oxygen flask combustion (471), 355
- Package integrity and test method selection (1207.1), 7772
- Package integrity leak test technologies (1207.2), 7784
- Package seal quality test technologies (1207.3), 7801
- Packaging and repackaging—single unit containers (1136), 1436

**General chapters** (*continued*)

- Packaging and storage requirements (659), 479
- Pancreatin (1025), 797
- Particle size distribution estimation by analytical sieving (786), 601
- Particulate matter in injections (788), 608
- Particulate matter in ophthalmic solutions (789), 611
- pH (791), 614, 7717
- Pharmaceutical calculations in pharmacy practice (1160), 1470
- Pharmaceutical compounding—nonsterile preparations (795), 617
- Pharmaceutical compounding—sterile preparations (797), 626
- Pharmaceutical dosage forms (1151), 1445
- Phase-solubility analysis (1171), 1500
- Physical environments that promote safe medication use (1066), 1106
- Physicochemical analytical procedures for insulins (121.1), 195, 8304
- Physicochemical integrators and indicators for sterilization (1229.9), 7818
- Plasma spectrochemistry (730), 562
- Plasma spectrochemistry—theory and practice (1730), 1881
- Plastic materials of construction (661.1), 493
- Plastic packaging systems and their materials of construction (661), 492
- Plastic packaging systems for pharmaceutical use (661.2), 506
- Polarography (801), 670
- Porosimetry by mercury intrusion (267), 279
- Porosity by nitrogen adsorption-desorption (268), 282
- Positron emission tomography drugs for compounding, investigational, and research uses (823), 686
- Powder fineness (811), 675
- Powder flow (1174), 1502
- Preparation of biological specimens for histologic and immunohistochemical analysis (1285), 1805
- Prescription balances and volumetric apparatus (1176), 1507, 7758
- Prescription container labeling (17), 106, 7691
- Products for nebulization—characterization tests (1601), 1811
- Propellants (602), 449
- Protein A quality attributes (130), 210
- Protein determination procedures (507), 7712
- Pyrogen test (151), 217
- Quality assurance in pharmaceutical compounding (1163), 1493
- Quality attributes of tablets labeled as having a functional score (705), 539
- Quality of biotechnological products: analysis of the expression construct in cells used for production of r-DNA derived protein products (1048), 989
- Quality of biotechnological products: stability testing of biotechnological/biological products (1049), 991
- Radiation sterilization (1229.10), 1683
- Radioactivity (821), 675
- Raman spectroscopy (1120), 1367
- Readily carbonizable substances test (271), 286
- Refractive index (831), 695
- Residual host cell protein measurement in biopharmaceuticals (1132), 1416
- Residual solvents (467), 339
- Residue on ignition (281), 286
- Rheometry (1911), 2012
- Riboflavin assay (481), 356
- Salts of organic nitrogenous bases (501), 357
- Scanning electron microscopy (1181), 1536
- Selenium (291), 287
- Semisolid drug products—performance tests (1724), 1869
- Sensitization testing (1184), 1546
- Shear cell methodology for powder flow testing (1063), 8348
- Significant change guide for bulk pharmaceutical excipients (1195), 1561
- Single-steroid assay (511), 360
- Sterility bioidentity tests (126), 202
- Specific gravity (841), 695
- Specific surface area (846), 697
- Spectrophotometric identification tests (197), 230
- Spectrophotometry and light-scattering (851), 700
- Stability considerations in dispensing practice (1191), 1557
- Steam sterilization by direct contact (1229.1), 1656
- Sterile product packaging—integrity evaluation (1207), 1594, 7764
- Sterility testing—validation of isolator systems (1208), 1596
- Sterility tests (71), 136
- Sterilization—chemical and physicochemical indicators and integrators (1209), 1601, 7804
- Sterilization-in-place (1229.13), 8371
- Sterilization of compendial articles (1229), 1651
- Sterilization and sterility assurance of compendial articles (1211), 1604
- Sterilizing filtration of liquids (1229.4), 1667
- Subvisible particulate matter in therapeutic protein injections (787), 605
- Sulfur dioxide (525), 361
- Supplemental information for articles of botanical origin (2030), 2034
- Sutures—diameter (861), 730
- Sutures—needle attachment (871), 731
- Tablet breaking force (1217), 1610
- Tablet friability (1216), 1609
- Tensile strength (881), 732
- Terminally sterilized pharmaceutical products—parametric release (1222), 1613
- Test for 1,6-anhydro derivative for enoxaparin sodium (207), 237
- Theory and practice of electrical conductivity measurements of solutions (1644), 1815
- Thermal analysis (891), 733
- Thermometers (21), 109
- Thiamine assay (531), 366
- Thin-layer chromatographic identification test (201), 231
- Titrimetry (541), 367
- Topical aerosols (603), 450
- Topical and transdermal drug products—product quality tests (3), 81, 8284
- Total organic carbon (643), 472
- Transfer of analytical procedures (1224), 1638
- Trifluoroacetic acid (TFA) in peptides (503.1), 359
- Ultraviolet-visible spectroscopy (857), 723
- Ultraviolet-visible spectroscopy—theory and practice (1857), 2004
- Uniformity of dosage units (905), 736
- USP reference standards (11), 103
- Vaccines for human use—bacterial vaccines (1238), 1770
- Vaccines for human use—general considerations (1235), 1731
- Vaccines for human use—polysaccharide and glycoconjugate vaccines (1234), 1715
- Validation of alternative microbiological methods (1223), 1616
- Validation of compendial procedures (1225), 1640
- Validation of microbial recovery from pharmacopeial articles (1227), 1647
- Validation of alternative methods to antibiotic microbial assays (1223.1), 1630
- Vapor phase sterilization (1229.11), 1687
- Verification of compendial procedures (1226), 1646
- Vibrational circular dichroism spectroscopy—theory and practice (1782), 8409
- Vibrational circular dichroism spectroscopy (782), 8333
- Viral safety evaluation of biotechnology products derived from cell lines of human or animal origin (1050), 996
- Virology test methods (1237), 1749
- Virus testing of human plasma for further manufacture (1240), 1783
- Viscosity—capillary methods (911), 740
- Viscosity—pressure driven methods (914), 749
- Viscosity—rolling ball method (913), 747
- Viscosity—rotational methods (912), 742
- Visible particulates in injections (790), 613
- Vitamin A assay (571), 405
- Vitamin B<sub>12</sub> activity assay (171), 224
- Vitamin C assay (580), 410
- Vitamin D assay (581), 413
- Vitamin E assay (551), 370
- Volumetric apparatus (31), 109
- Water conductivity (645), 474
- Water determination (921), 750
- Water for hemodialysis applications (1230), 1688
- Water for pharmaceutical purposes (1231), 1690, 8373
- Water-solid interactions in pharmaceutical systems (1241), 1793
- Weighing on an analytical balance (1251), 1797
- Weight variation of dietary supplements (2091), 2051
- Written prescription drug information—guidelines (1265), 1803
- X-ray fluorescence spectrometry (735), 566
- X-ray fluorescence spectrometry—theory and practice (1735), 1888
- Zinc determination (591), 422

---

General notices and requirements, 1, 7633, 8221

Conformance to standards, 4, 7634

Monograph components, 5, 7635

- General notices and requirements (*continued*)  
 Monographs and general chapters, 5, 7635  
 Official status and legal recognition, 3, 7633  
 Prescribing and dispensing, 11, 7641  
 Preservation, packaging, storage, and labeling, 12, 7642  
 Terms and definitions, 9, 7639  
 Test results, 9, 7639  
 Testing practices and procedures, 7, 7637  
 Title and revision, 3, 7633
- General tests for reagents, 2080
- Geneticin, 2117
- Gentamicin  
 injection, 4102  
 and prednisolone acetate ophthalmic ointment, 4109  
 and prednisolone acetate ophthalmic suspension, 4110  
 sulfate, 4103  
 sulfate and betamethasone acetate ophthalmic solution, 4106  
 sulfate and betamethasone valerate ointment, 4106  
 sulfate and betamethasone valerate otic solution, 4107  
 sulfate and betamethasone valerate topical solution, 4108  
 sulfate cream, 4104  
 sulfate ointment, 4104  
 sulfate ophthalmic ointment, 4105  
 sulfate ophthalmic solution, 4105  
 uterine infusion, 4102
- Gentian violet, 4110  
 cream, 4112  
 topical solution, 4112
- Ginger, 6662, 7921  
 capsules, 6666  
 powdered, 6663, 7923  
 tincture, 6665, 7926
- Ginkgo, 6668  
 capsules, 6674  
 extract, powdered, 6671  
 tablets, 6675
- Ginseng  
 American, 6452  
 Asian, 6471  
 capsules, American, 6456  
 extract, powdered American, 6455  
 extract, powdered Asian, 6473  
 powdered, American, 6453  
 powdered, Asian, 6472  
 tablets, American, 6458  
 tablets, Asian, 6474  
 Tienchi, root and rhizome, 6859  
 Tienchi, root and rhizome dry extract, 6863  
 Tienchi, root and rhizome powder, 6861
- Girard reagent T, 2117
- Gitoxin, 2117
- Glacial acetic acid, 2117, 2327  
 TS, 2171
- Glass wool, 2117
- Glaze, pharmaceutical, 7315
- Glimepiride, 4113  
 and pioglitazone tablets, 5412  
 tablets, 4114
- Glipizide, 4116  
 and metformin hydrochloride tablets, 4119  
 tablets, 4118
- Globule size distribution in lipid injectable emulsions (729), 559
- Globulin  
 immune, 4122  
 reagent, anti-human, 2091  
 RH<sub>0</sub> (D) immune, 4122
- Glucagon, 4122  
 for injection, 4124
- Glucagon bioidentity tests (123), 198
- D-Gluconic acid, 50 percent in water, 2117
- Gluconolactone, 4125
- Glucosamine  
 and chondroitin sulfate sodium tablets, 6677  
 chondroitin sulfate sodium, and methylsulfonylmethane tablets, 6684  
 hydrochloride, 6679  
 and methylsulfonylmethane tablets, 6683  
 sulfate potassium chloride, 6681  
 sulfate sodium chloride, 6682  
 tablets, 6680
- Glucose, 2118  
 enzymatic test strip, 4125  
 liquid, 7317  
 oxidase-chromogen TS, 2171
- D-Glucuronolactone, 2118
- Glutamic acid, 2118, 6686
- L-Glutamic acid, 2118  
 hydrochloride, 7317
- Glutamine, 4126
- L-Glutamine, 2118
- Glutaral  
 concentrate, 4126  
 disinfectant solution, 7318
- Glutathione, 6687, 7928
- Glyburide, 4127  
 and metformin hydrochloride tablets, 4130, 8070  
 tablets, 4128
- Glycerin, 2118, 4133  
 base TS, 2171  
 ophthalmic solution, 4134  
 oral solution, 4135  
 suppositories, 4135
- Glyceryl  
 behenate, 7320  
 dibehenate, 7318  
 distearate, 7321  
 monocaprylate, 7323  
 monocaprylocaprate, 7325  
 monolinoleate, 7327  
 monooleate, 7329  
 monostearate, 7330  
 tristearate, 7331
- Glycine, 4135  
 irrigation, 4136
- Glycolic acid, 2118
- Glycoprotein and glycan analysis—general considerations (1084), 1165
- Glycopyrrolate, 4136  
 injection, 4139  
 tablets, 4139
- Glycyl-L-glutamine, 6688
- Glycyl-L-tyrosine, 6690
- Gold  
 chloride, 2118  
 chloride TS, 2171  
 sodium thiomalate, 4141  
 sodium thiomalate injection, 4142
- Goldenseal, 6692, 7929  
 extract, powdered, 6694, 7932  
 powdered, 6693, 7930
- Gonadorelin  
 acetate, 4143  
 hydrochloride, 4145  
 for injection, 4142
- Gonadotropin  
 chorionic, 4147  
 chorionic, for injection, 4148
- Good distribution practices for bulk pharmaceutical excipients (1197), 1572
- Good manufacturing practices for bulk pharmaceutical excipients (1078), 1128
- Good packaging practices (1177), 1509
- Good repackaging practices (1178), 1511
- Good storage and distribution practices for drug products (1079), 1148
- Goserelin acetate, 4149
- Government liaisons to expert committees and expert panels, xix, 7620, 8207
- Graftskin, 3302
- Gramicidin, 4151  
 and neomycin and polymyxin B sulfates cream, 5033  
 and neomycin and polymyxin B sulfates and hydrocortisone acetate cream, 5034  
 and neomycin and polymyxin B sulfates ophthalmic solution, 5034  
 and neomycin sulfate ointment, 5018  
 nystatin, neomycin sulfate, and triamcinolone acetonide cream, 5117  
 nystatin, neomycin sulfate, and triamcinolone acetonide ointment, 5117
- Granisetron hydrochloride, 4151  
 injection, 4153  
 oral suspension, 4154, 8673  
 tablets, 4155
- Granules  
 Flunixin meglumine, 3951  
 Montelukast sodium, oral, 4932, 8727
- Grape seeds oligomeric proanthocyanidins, 6695
- Gravity, specific (841), 695
- Green  
 brilliant, 2095  
 FCF, fast, 2115  
 soap, 4157  
 soap tincture, 4157
- Green tea  
 extract, decaffeinated, powdered, 6697
- Griseofulvin, 4158  
 capsules, 4159  
 oral suspension, 4160  
 tablets, 4160  
 tablets, ultramicronsize, 4161
- Growth factors and cytokines used in cell therapy manufacturing (92), 183
- Guaiaicol, 2118
- Guaifenesin, 4162, 8674  
 capsules, 4163  
 and codeine phosphate oral solution, 4165  
 and dyphylline oral solution, 3645  
 and dyphylline tablets, 3646  
 and pseudoephedrine hydrochloride capsules, 4167  
 pseudoephedrine hydrochloride, and dextromethorphan hydrobromide capsules, 4168  
 and theophylline capsules, 6103  
 and theophylline oral solution, 6103  
 for injection, 4164  
 oral solution, 4164  
 tablets, 4165
- Guanabenz acetate, 4169  
 tablets, 4170
- Guanethidine monosulfate, 4171  
 tablets, 4171
- Guanfacine  
 hydrochloride, 4173  
 tablets, 4172
- Guanidine hydrochloride, 2118
- Guanidine isothiocyanate, 2118
- Guanine hydrochloride, 2118
- Guar gum, 7333, 7964

Guggul, 6699  
 extract, native, 6700  
 extract, purified, 6701  
 tablets, 6702

Guide to general chapters  
 charts, 13, 7643, 8231  
 table of contents, 59

Gutta percha, 4174

Gymnema, 6703  
 extract, native, 6706  
 extract, purified, 6708  
 powdered, 6705

**H**

Halazone, 4175  
 tablets for solution, 4175

Halcinonide, 4175  
 cream, 4176  
 ointment, 4178  
 topical solution, 4179

Halobetasol propionate, 4180

Haloperidol, 4181  
 decanoate, 4184  
 injection, 4182  
 oral solution, 4182  
 tablets, 4183

Halothane, 4185

Hawthorn leaf  
 with flower, 6709  
 with flower, powdered, 6711

Hazardous drugs—handling in healthcare settings (800), 7721

Heavy metals (231), 266

Heavy metals in reagents, 2082

Helium, 4186  
 oxygen certified standard, 2132

Hematein, 2118

Hematoxylin, 2118  
 TS, Delafield's, 2169

Hematoxylin and eosin staining of sectioned tissue for microscopic examination (1285.1), 1809

Hemoglobin, bovine, 2118

Heparin  
 lock flush solution, 4186  
 sodium, 4188  
 sodium injection, 4193

Hepatitis B  
 immune globulin, 4193

1-Heptadecanol, 2118

Heptafluorobutyric acid, 2118

Heptakis-(2,6-di-O-methyl)- $\beta$ -cyclodextrin, 2118

*n*-Heptane, 2119  
 chromatographic, 2118

Heptyl *p*-hydroxybenzoate, 2118

Hexachlorophene, 4194  
 cleansing emulsion, 4194  
 liquid soap, 4195

Hexadecyl hexadecanoate, 2119

Hexadecyltrimethylammonium bromide, 2119

Hexadimethrine bromide, 2119

Hexamethyldisilazane, 2119

Hexamethyleneimine, 2119

Hexamethylenetetramine, 2119

*n*-Hexane, 2118

Hexane, solvent, 2119  
 chromatographic, 2119

Hexanes, 2119

Hexanitrodiphenylamine, 2119

Hexanophenone, 2119

Hexylamine, 2119

Hexylene glycol, 7334

Hexylresorcinol, 4196  
 lozenges, 4197

High-performance thin-layer chromatography procedure for identification of articles of botanical origin (203), 234

Histamine  
 dihydrochloride, 2119  
 phosphate, 4198  
 phosphate injection, 4198

Histidine, 4199

L-Histidine hydrochloride monohydrate, 2119

Holy basil leaf, 6713  
 extract, powdered, 6717  
 powdered, 6715

Homatropine  
 hydrobromide, 4199  
 hydrobromide ophthalmic solution, 4200  
 methylbromide, 4201  
 methylbromide and hydrocodone bitartrate tablets, 4215  
 methylbromide tablets, 4202

Homosalate, 4203

Honey, purified, 7335

Horse chestnut, 6554  
 extract, powdered, 6557  
 powdered, 6556

Horseradish peroxidase conjugated to goat anti-mouse IgG, 2119

Human plasma (1180), 1513

Hyaluronidase  
 injection, 4203  
 for injection, 4204

Hydralazine hydrochloride, 4205  
 injection, 4207  
 oral solution, 4207, 8675  
 tablets, 4207

Hydrazine  
 dihydrochloride, 2119  
 hydrate, 85% in water, 2119  
 sulfate, 2119

Hydrindantin, 2119

Hydriodic acid, 2119

Hydrobromic acid, 2120

Hydrochloric acid, 2120, 7335  
 alcoholic, tenth-molar (0.1M), 2179  
 buffer, 2165  
 diluted, 2120, 7336  
 half-normal (0.5 N), 2179  
 half-normal (0.5 N) in methanol, 2179  
 injection, 4208, 8676  
 normal (1 N), 2179  
 0.001 N TS, 8457  
 0.36 N TS, 8457  
 2 N TS, 8457  
 3 N TS, 8457  
 6 N TS, 8457

Hydrochloride  
 Nile blue, 2163

Hydrochlorothiazide, 4209  
 and amiloride hydrochloride tablets, 2463  
 amlodipine, valsartan, tablets, 2503  
 and bisoprolol fumarate tablets, 2783  
 Candesartan cilexetil, tablets, 2895  
 capsules, 4210  
 and captopril tablets, 2912  
 and enalapril maleate tablets, 3686  
 and fosinopril tablets, 4049  
 and irbesartan tablets, 4388  
 and lisinopril tablets, 4582  
 and losartan potassium tablets, 4628  
 and methyldopa tablets, 4819  
 and metoprolol tartrate tablets, 4858  
 and moexipril hydrochloride and tablets, 4917  
 and propranolol hydrochloride tablets, 5594  
 and quinapril tablets, 5639  
 and reserpine tablets, 5687  
 and spironolactone oral suspension, 5907, 8825  
 and spironolactone tablets, 5908  
 tablets, 4212  
 and telmisartan tablets, 6036  
 and timolol maleate tablets, 6160  
 and triamterene capsules, 6245  
 and triamterene tablets, 6247  
 and valsartan tablets, 6326

Hydrocodone bitartrate, 4213  
 and acetaminophen tablets, 4214  
 and homatropine methylbromide tablets, 4215  
 tablets, 4214

Hydrocodone diol, 2120

Hydrocortisone, 4218  
 acetate, 4224  
 acetate and chloramphenicol for ophthalmic suspension, 3088  
 acetate and colistin and neomycin sulfates otic suspension, 3291  
 acetate cream, 4225  
 acetate injectable suspension, 4227  
 acetate lotion, 4226  
 acetate, neomycin and polymyxin B sulfates, and bacitracin ointment, 5026  
 acetate, neomycin and polymyxin B sulfates, and bacitracin ophthalmic ointment, 5026  
 acetate, neomycin and polymyxin B sulfates, and bacitracin zinc ophthalmic ointment, 5030  
 acetate and neomycin and polymyxin B sulfates cream, 5036  
 acetate, neomycin and polymyxin B sulfates, and gramidicin cream, 5034  
 acetate and neomycin and polymyxin B sulfates ophthalmic suspension, 5036  
 acetate and neomycin sulfate cream, 5019  
 acetate and neomycin sulfate lotion, 5019  
 acetate and neomycin sulfate ointment, 5020  
 acetate and neomycin sulfate ophthalmic suspension, 5020  
 acetate ointment, 4226  
 acetate ophthalmic ointment, 4226  
 acetate ophthalmic suspension, 4227  
 acetate and oxytetracycline hydrochloride ophthalmic suspension, 5242  
 acetate, penicillin G, neomycin, polymyxin B, and hydrocortisone sodium succinate topical suspension, 5298  
 acetate, penicillin G procaine, and neomycin and polymyxin B sulfates topical suspension, 5315  
 and acetic acid otic solution, 4223  
 and clioquinol cream, 3220  
 and clioquinol ointment, 3221  
 and neomycin and polymyxin B sulfates ophthalmic suspension, 5035  
 and neomycin and polymyxin B sulfates otic solution, 5034  
 and neomycin and polymyxin B sulfates otic suspension, 5035  
 and neomycin sulfate cream, 5018  
 and neomycin sulfate ointment, 5018  
 and neomycin sulfate otic suspension, 5019

- Hydrocortisone (*continued*)  
 and oxytetracycline hydrochloride ointment, 5243  
 and polymyxin B sulfate otic solution, 5447  
 butyrate, 4228  
 butyrate cream, 4229  
 cream, 4219  
 gel, 4220  
 hemisuccinate, 4229  
 injectable suspension, 4221  
 lotion, 4220  
 neomycin and polymyxin B sulfates and bacitracin zinc ointment, 5029  
 neomycin and polymyxin B sulfates and bacitracin zinc ophthalmic ointment, 5029  
 ointment, 4221  
 rectal suspension, 4222  
 sodium phosphate, 4230  
 sodium phosphate injection, 4231  
 sodium succinate, 4232  
 sodium succinate for injection, 4233  
 sodium succinate, penicillin G, neomycin, polymyxin B, and hydrocortisone acetate topical suspension, 5298  
 tablets, 4222  
 valerate, 4234  
 valerate cream, 4235  
 valerate ointment, 4235
- Hydroflumethiazide, 4236  
 tablets, 4236
- Hydrofluoric acid, 2120
- Hydrogen  
 peroxide, 10 percent, 2120  
 peroxide, 30 percent, 2120  
 peroxide, 30 percent, unstabilized, 2120  
 peroxide, 50 percent in water, 2120  
 peroxide concentrate, 4237  
 peroxide solution, 2120  
 peroxide topical solution, 4238  
 peroxide TS, 2171  
 sulfide, 2120  
 sulfide detector tube, 2120  
 sulfide TS, 2171
- Hydrogenated lanolin, 7367
- Hydrogenated polydextrose, 7450
- Hydrogenated vegetable oil, 7599
- Hydromorphone hydrochloride, 4239, 8074  
 injection, 4241  
 oral solution, 4241  
 tablets, 4243
- Hydroquinone, 2120, 4244  
 cream, 4244  
 topical solution, 4244
- Hydroxocobalamin, 4245  
 injection, 4246
- Hydroxy naphthol blue, 2120
- 3'-Hydroxyacetophenone, 2120
- 4'-Hydroxyacetophenone, 2120
- Hydroxyamphetamine hydrobromide, 4247  
 ophthalmic solution, 4247
- Hydroxyanisole, butylated, 7189
- p*-Hydroxybenzoic acid, 2120
- 4-Hydroxybenzoic acid isopropyl ester, 2120
- 2-Hydroxybenzyl alcohol, 2120
- 4-Hydroxybutane-1-sulfonic acid, 2120
- 4-Hydroxy-2-butanone, 2120
- Hydroxychloroquine sulfate, 4248  
 tablets, 4248
- Hydroxyethyl cellulose, 7336
- N*-(2-Hydroxyethyl)piperazine-*N'*-(2-ethanesulfonic acid), 2120
- Hydroxylamine hydrochloride, 2120  
 TS, 2171
- 10 $\beta$ -Hydroxynorandrostenedione, 2120
- 2'-(4-Hydroxyphenyl)-5-(4-methyl-1-piperazinyl)-2,5'-bi-1*H*-benzimidazole trihydrochloride pentahydrate, 2121
- 4-(4-Hydroxyphenyl)-2-butanone, 2120
- 3-Hydroxyphenyldimethylethyl ammonium chloride, 2121
- D- $\alpha$ -4-Hydroxyphenylglycine, 2121
- 4-Hydroxy-4-Phenylpiperidine, 8456
- Hydroxyprogesterone caproate, 4249  
 injection, 4249, 8676
- Hydroxypropyl  
 betadex, 7337  
 cellulose, 7340  
 cellulose, low-substituted, 7341  
 cellulose ocular system, 4250  
 corn starch, 7546  
 pea starch, 7555  
 potato starch, 7560
- Hydroxypropyl- $\beta$ -cyclodextrin, 2121
- 8-Hydroxyquinoline, 2121  
 TS, 2171
- Hydroxytoluene, butylated, 7190
- Hydroxyurea, 4251  
 capsules, 4251
- Hydroxyzine  
 hydrochloride, 4252  
 hydrochloride injection, 4253  
 hydrochloride oral solution, 4254  
 hydrochloride tablets, 4254  
 pamoate, 4255  
 pamoate capsules, 4256  
 pamoate oral suspension, 4257
- Hymetellose, 7342
- Hyoscyamine, 4258  
 hydrobromide, 4259  
 sulfate, 4260  
 sulfate elixir, 4261  
 sulfate injection, 4262  
 sulfate oral solution, 4262  
 sulfate tablets, 4263  
 tablets, 4258
- Hypophosphorous acid, 7343  
 50 percent, 2121
- Hypoxanthine, 2121
- Hypromellose, 4263, 8678  
 acetate succinate, 7344  
 ophthalmic solution, 4265  
 phthalate, 7346
- I**
- I 123  
 capsules, sodium iodide, 4342  
 injection, iobenguane, 4340  
 injection, iodohippurate sodium, 4341  
 solution, sodium iodide, 4343
- I 125  
 albumin injection, iodinated, 4344  
 injection, iothalamate sodium, 4344
- I 131  
 albumin aggregated injection, iodinated, 4345  
 albumin injection, iodinated, 4345  
 capsules, sodium iodide, 4347  
 injection, iobenguane, 4341  
 injection, iodohippurate sodium, 4346  
 injection, rose bengal sodium, 4347  
 solution, sodium iodide, 4348
- Ibuprofen, 4267  
 and diphenhydramine citrate tablets, 3523
- diphenhydramine hydrochloride capsules, 8042  
 and pseudoephedrine hydrochloride tablets, 4270  
 oral suspension, 4268  
 tablets, 4269, 8680
- Ibutilide fumarate, 4271
- Ichthammol, 4273  
 ointment, 4274
- Idarubicin hydrochloride, 4274  
 injection, 4275  
 for injection, 4275
- Identification  
 of articles of botanical origin (563), 391  
 of articles of botanical origin by high-performance thin-layer chromatography procedure (1064), 1093  
 of fixed oils by thin-layer chromatography (202), 233  
 organic nitrogenous bases (181), 226  
 test, thin-layer chromatographic (201), 231  
 tests—general (191), 227, 7701  
 tests, spectrophotometric (197), 230  
 tetracyclines (193), 230
- Idoxuridine, 4277  
 ophthalmic ointment, 4277  
 ophthalmic solution, 4278
- Ifosfamide, 4278  
 for injection, 4280
- IgG-coated red cells, 2121
- Imidazole, 2121
- Imidurea, 7347
- Iminodiacetic acid, 2121
- Imipenem, 4281  
 and cilastatin for injectable suspension, 4283  
 and cilastatin for injection, 4282
- Imipramine pamoate, 4286
- Imipramine hydrochloride, 4284  
 injection, 4285  
 tablets, 4286
- Imipramine pamoate  
 capsules, 8681
- Imiquimod, 4288  
 cream, 4289
- Immunogenicity assays—design and validation of assays to detect anti-drug neutralizing antibody (1106.1), 1303
- Immunogenicity assays—design and validation of immunoassays to detect anti-drug antibodies (1106), 1288
- Immunological test methods—surface plasmon resonance (1105), 1272
- Immunological test methods  
 enzyme-linked immunosorbent assay (ELISA) (1103), 1250  
 general considerations (1102), 1242  
 immunoblot analysis (1104), 1261
- Impurities  
 ordinary (466), 338  
 testing in medical gases (413), 319
- Impurities in drug substances and drug products (1086), 1176
- Inamrinone, 4291  
 injection, 4292
- Indapamide, 4293  
 tablets, 4294
- Indene, 2121
- Indicator and test papers, 2164
- Indicators, 2162  
 indicator papers, 2164  
 reagents, and solutions, 2079, 7839  
 test papers, 2164
- Indigo carmine, 2121  
 TS, 2171



Indigotindsulfonate sodium, 4295  
injection, 4295

Indinavir sulfate, 4296

Indium In 111  
capromab pendetide injection, 4298  
chloride solution, 4298  
ibritumomab tiuxetan injection, 4300  
oxyquinoline solution, 4300  
pentetate injection, 4301  
pentetreotide injection, 4302  
satumomab pendetide injection, 4303

Indocyanine green, 4303  
for injection, 4304

Indole, 2121

Indole-3-carboxylic acid, 2121

Indomethacin, 4304  
capsules, 4306  
extended-release capsules, 4306  
for injection, 4309  
topical gel, 4309, 8684  
oral suspension, 4312  
sodium, 4313  
suppositories, 4310

Indophenol-acetate TS, 2171

Inhalant  
amyl nitrite, 2550  
propylhexedrine, 5597

---

## Inhalation

Acetylcysteine and isoproterenol  
hydrochloride solution, 2334

Cromolyn sodium powder, 3320

Cromolyn sodium solution, 3321

Dexamethasone sodium phosphate  
aerosol, 3407

Epinephrine aerosol, 3712

Epinephrine bitartrate aerosol, 3715

Epinephrine solution, 3713

Ergotamine tartrate aerosol, 3736

Fluticasone propionate aerosol, 4001

Fluticasone propionate powder, 4005

Isoetharine mesylate aerosol, 4401

Isoetharine solution, 4400

Isoproterenol hydrochloride aerosol, 4415

Isoproterenol hydrochloride and  
phenylephrine bitartrate aerosol, 4417

Isoproterenol solution, 4414

Isoproterenol sulfate aerosol, 4420

Isoproterenol sulfate solution, 4421

Levalbuterol solution, 4516

Metaproterenol sulfate aerosol, 4757

Metaproterenol sulfate solution, 4758

Racepinephrine solution, 5659

Ribavirin for solution, 5693

Salmeterol powder, 5781

Sodium chloride, solution, 5869

Sterile water for, 6390

Terbutaline sulfate aerosol, 6055

Tobramycin solution, 6173

---

Inhalation and nasal drug products: aerosols,  
sprays, and powders—performance quality  
tests (601), 423

Inhalation and nasal drug products general  
information and product quality tests (5),  
90, 8296

---

## Injection

Acepromazine maleate, 2293

Acetazolamide for, 2325, 7981

Acyclovir for, 2340

Adenosine, 2348

Alcohol, dehydrated, 2364

Alcohol in dextrose, 2365

Alfentanil, 2370

Alprostadil, 2397

Alteplase for, 2401

Amifostine for, 2456

Amikacin sulfate, 2460

Aminocaproic acid, 2471

Aminohippurate sodium, 2475

Aminopentamide sulfate, 2477

Aminophylline, 2480

Amiodarone hydrochloride, 7990

Amitriptyline hydrochloride, 2496

Ammonium chloride, 2509

Ammonium molybdate, 2512

Amobarbital sodium for, 2513

Amphotericin B for, 2533

Ampicillin for, 2541

Ampicillin and sulbactam for, 2547

Anileridine, 2557

Aprotinin, 2585

Arginine hydrochloride, 2589

Articaine hydrochloride and epinephrine,  
2596

Ascorbic acid, 2599

Atenolol, 2620

Atracurium besylate, 2636

Atropine sulfate, 2639

Azaperone, 2645

Azathioprine sodium for, 2651

Azithromycin for, 2658

Aztreonam, 2667

Aztreonam for, 2668

Bacitracin for, 2671

Bacteriostatic sodium chloride, 5867

Bacteriostatic water for, 6390

Benzotropine mesylate, 2725

Benzylpenicilloyl polylysine, 2729

Betamethasone sodium phosphate, 2745

Bethanechol chloride, 2752

Biperiden lactate, 2768

Bleomycin for, 2785

Bretylium tosylate, 2787

Bretylium tosylate in dextrose, 2787

Brompheniramine maleate, 2797

Bumetanide, 2803

Bupivacaine hydrochloride, 2807

Bupivacaine hydrochloride in dextrose,  
2807

Bupivacaine hydrochloride and  
epinephrine, 2808

Butorphanol tartrate, 2838

Caffeine citrate, 2845

Caffeine and sodium benzoate, 2847

Calcitonin salmon, 2857

Calcitriol, 2860

Calcium chloride, 2874

Calcium gluceptate, 2876

Calcium gluconate, 2879

Calcium levulinate, 2885

Capreomycin for, 2902

Carbenicillin for, 2922

Carboplatin for, 2938

Carboprost tromethamine, 2940

Carmustine for, 2951

Cefamandole nafate for, 2982

Cefazolin, 2985

Cefazolin for, 2986

Cefepime for, 2997

Cefmenoxime for, 3004

Cefmetazole, 3006

Cefmetazole for, 3007

Cefonicid for, 3008

Cefoperazone, 3009

Cefoperazone for, 3010

Ceforanide for, 3012

Cefotaxime, 3014

Cefotaxime for, 3015

Cefotetan, 3019

Cefotetan for, 3020

Cefotiam for, 3023

Cefoxitin, 3025

Cefoxitin for, 3026

Cefpiramide for, 3028

Ceftazidime, 3038

Ceftazidime for, 3039

Ceftizoxime, 3042

Ceftizoxime for, 3042

Ceftriaxone, 3043

Ceftriaxone for, 3044

Cefuroxime, 3047

Cefuroxime for, 3047

Cephalothin, 3061

Cephalothin for, 3061

Cephapirin for, 3063

Cephadrine for, 3068

Chloramphenicol, 3085

Chloramphenicol sodium succinate for,  
3092

Chlordiazepoxide hydrochloride for, 3099,  
8593

Chloroprocaine hydrochloride, 3112

Chloroquine hydrochloride, 3113

Chlorothiazide sodium for, 3119

Chlorpheniramine maleate, 3123

Chlorpromazine hydrochloride, 3128

Chorionic gonadotropin for, 4148

Chromic chloride, 3142

Chromium Cr 51 edetate, 3144

Cimetidine, 3155

Cimetidine in sodium chloride, 3156

Ciprofloxacin, 3162

Cisapride compounded, veterinary, 3172

Cisatracurium besylate, 3175

Cisplatin for, 3179

Cladribine, 3192

Clavulanic acid and ticarcillin, 6143

Clindamycin, 3207

Clindamycin for, 3208

Cloprostenol, 3251

Codeine phosphate, 3279

Colchicine, 3286

Colistimethate for, 3290

Corticotropin, 3310

Corticotropin for, 3311

Corticotropin, repository, 3313

Cr 51, sodium chromate, 3143

Cupric chloride, 3326

Cupric sulfate, 3328

Cyanocobalamin, 3329

Cyclophosphamide for, 3341

Cyclosporine, 3347

Cysteine hydrochloride, 3354

Cytarabine for, 3356

Dacarbazine for, 3358

Dactinomycin for, 3360

Dantrolene sodium for, 3368

Daunorubicin hydrochloride for, 3372

Deferoxamine mesylate for, 3375

Dehydrated alcohol, 2364

Deslanoside, 3386

Desmopressin acetate, 3388

Desoxycorticosterone acetate, 3395

Dexamethasone, 3400

**Injection** (continued)

- Dexamethasone sodium phosphate, 3408  
 Dextran 40 in dextrose, 3424  
 Dextran 40 in sodium chloride, 3425  
 Dextran 70 in dextrose, 3428  
 Dextran 70 in sodium chloride, 3429  
 Dextrose, 3435  
 Dextrose and sodium chloride, 3435  
 Diatrizoate meglumine, 3437  
 Diatrizoate meglumine and diatrizoate sodium, 3438  
 Diatrizoate sodium, 3440  
 Diazepam, 3445  
 Diazoxide, 3447  
 Dibucaine hydrochloride, 3451  
 Dicyclomine hydrochloride, 3470  
 Diethylstilbestrol, 3482  
 Digitoxin, 3490  
 Digoxin, 3493  
 Dihydroergotamine mesylate, 3497  
 Dihydrostreptomycin, 3498  
 Dimenhydrinate, 3512  
 Dimercaprol, 3515  
 Dinoprost tromethamine, 3519  
 Diphenhydramine hydrochloride, 3529  
 Dipyrindamole, 3543  
 Dobutamine, 3561  
 Dobutamine for, 3562  
 Dobutamine in dextrose, 3563  
 Docetaxel, 3567  
 Dolasetron mesylate, 3578, 8636  
 Dopamine hydrochloride, 3587  
 Dopamine hydrochloride and dextrose, 3588  
 Doxapram hydrochloride, 3595, 8641  
 Doxorubicin hydrochloride, 3604  
 Doxorubicin hydrochloride for, 3605  
 Doxycycline for, 3611  
 Droperidol, 3627  
 Dyphylline, 3644  
 Edetate calcium disodium, 3653  
 Edetate disodium, 3655  
 Edrophonium chloride, 3656  
 Electrolytes and dextrose type 1, multiple, 3667, 8650  
 Electrolytes and dextrose type 2, multiple, 3669, 8654  
 Electrolytes and dextrose type 3, multiple, 3671, 8658  
 Electrolytes and dextrose type 4, multiple, 3672, 8661  
 Electrolytes and invert sugar type 1, multiple, 3673, 8662  
 Electrolytes and invert sugar type 2, 3675, 8663  
 Electrolytes and invert sugar type 3, 3676, 8665  
 Electrolytes type 1, multiple, 3664, 8645  
 Electrolytes type 2, multiple, 3666, 8647  
 Elements, trace, 3677  
 Emetine hydrochloride, 3681  
 Enalaprilat, 3689  
 Enoxaparin sodium, 3695  
 Ephedrine sulfate, 3709  
 Epinephrine, 3713  
 Epirubicin hydrochloride, 3719  
 Ergonovine maleate, 3734  
 Ergotamine tartrate, 3737  
 Erythromycin, 3746  
 Erythromycin ethylsuccinate, 3756  
 Erythromycin lactobionate for, 3761  
 Estradiol cypionate, 3790  
 Estradiol valerate, 3791  
 Ethacrynate sodium for, 3807  
 Ethiodized oil, 3816  
 Etomidate, 3833  
 Etoposide, 3838  
 Famotidine, 3849  
 Fenoldopam mesylate, 3872  
 Fentanyl citrate, 3878  
 Ferumoxides, 3892  
 Floxuridine for, 3920  
 Fluconazole, 3923  
 Fluconazole in dextrose, 3926  
 Fluconazole in sodium chloride, 3929  
 Fludarabine phosphate, 3940  
 Fludarabine phosphate for, 3941  
 Fludeoxyglucose F18, 3964  
 Flumazenil, 3946  
 Flunixin meglumine, 3951  
 Fluorescein, 3959  
 F 18, sodium fluoride, 3965  
 Fluorouracil, 3971  
 Fluphenazine decanoate, 3982  
 Fluphenazine enanthate, 3983  
 Fluphenazine hydrochloride, 3985  
 Folic acid, 4034  
 Fondaparinux sodium, 4039  
 Fosphenytoin sodium, 4052  
 Fructose, 4054  
 Fructose and sodium chloride, 4055  
 Furosemide, 4060  
 Gadodiamide, 4070  
 Gadopentetate dimeglumine, 4071  
 Gadoteridol, 4075  
 Gadoversetamide, 4079  
 Gallamine triethiodide, 4090  
 Gallium citrate Ga 67, 4091  
 Ganciclovir for, 4092  
 Gemcitabine for, 4098  
 Gentamicin, 4102  
 Glucagon for, 4124  
 Glycopyrrolate, 4139  
 Gold sodium thiomalate, 4142  
 Gonadorelin for, 4142  
 Gonadotropin, chorionic for, 4148  
 Granisetron hydrochloride, 4153  
 Guaifenesin for, 4164  
 Haloperidol, 4182  
 Heparin sodium, 4193  
 Histamine phosphate, 4198  
 Hyaluronidase, 4203  
 Hyaluronidase for, 4204  
 Hydralazine hydrochloride, 4207  
 Hydrochloric acid, 4208, 8676  
 Hydrocortisone sodium phosphate, 4231  
 Hydrocortisone sodium succinate for, 4233  
 Hydromorphone hydrochloride, 4241  
 Hydroxocobalamin, 4246  
 Hydroxyprogesterone caproate, 4249, 8676  
 Hydroxyzine hydrochloride, 4253  
 Hyoscyamine sulfate, 4262  
 I 123, iobenguane, 4340  
 I 123, iodohippurate sodium, 4341  
 I 125, iothalamate sodium, 4344  
 I 125, albumin, iodinated, 4344  
 I 131, iobenguane, 4341  
 I 131, iodohippurate sodium, 4346  
 I 131, rose bengal sodium, 4347  
 I 131, albumin, iodinated, 4345  
 I 131, albumin aggregated, iodinated, 4345  
 Idarubicin hydrochloride, 4275  
 Idarubicin hydrochloride for, 4275  
 Ifosfamide for, 4280  
 Imipenem and cilastatin for, 4282  
 Imipramine hydrochloride, 4285  
 Inamrinone, 4292  
 Indigotindsulfonate sodium, 4295  
 Indium In 111 capromab pendetide, 4298  
 Indium In 111 ibritumomab tiuxetan, 4300  
 Indium In 111 pentetate, 4301  
 Indium In 111 pentetateotide, 4302  
 Indium In 111 satumomab pendetide, 4303  
 Indocyanine green for, 4304  
 Indomethacin for, 4309  
 Insulin, 4317, 8684  
 Insulin aspart, 4319  
 Insulin glargine, 4322  
 Insulin human, 4326  
 Human insulin and human insulin isophane suspension, 4327  
 Insulin lispro, 4333  
 Inulin in sodium chloride, 4337  
 Invert sugar, 5927  
 Iodipamide meglumine, 4349  
 Iodixanol, 4355  
 Iohexol, 4364  
 Iopamidol, 4366  
 Iophendylate, 4369, 8077  
 Iopromide, 4371  
 Iothalamate meglumine, 4372  
 Iothalamate meglumine and iothalamate sodium, 4373  
 Iothalamate sodium, 4374  
 Ioversol, 4376  
 Ioxaglate meglumine and ioxaglate sodium, 4377  
 Ioxilan, 4380  
 Irinotecan hydrochloride, 4393  
 Iron dextran, 4395  
 Iron sorbitex, 4396  
 Iron sucrose, 4397  
 Isoniazid, 4409  
 Isoproterenol hydrochloride, 4416  
 Isoxsuprine hydrochloride, 4440  
 Ivermectin, 4447  
 Ivermectin and clorsulon, 4451  
 Kanamycin, 4456  
 Ketamine hydrochloride, 4460  
 Ketorolac tromethamine, 4468  
 Labetalol hydrochloride, 4474  
 Leucovorin calcium, 4512  
 Levetiracetam, 4539  
 Levocarnitine, 4537  
 Levorphanol tartrate, 4553  
 Lidocaine hydrochloride, 4563  
 Lidocaine hydrochloride and dextrose, 4567  
 Lidocaine hydrochloride and epinephrine, 4567  
 Lincomycin, 4571  
 Lorazepam, 4620  
 Magnesium sulfate, 4665  
 Magnesium sulfate in dextrose, 4665  
 Mangafodipir trisodium, 4671, 8711  
 Manganese chloride, 4672  
 Manganese sulfate, 4675  
 Mannitol, 4677  
 Mannitol in sodium chloride, 4678  
 Mechlorethamine hydrochloride for, 4690  
 Menadiol sodium diphosphate, 4719  
 Menadione, 4721  
 Meperidine hydrochloride, 4724  
 Mepivacaine hydrochloride, 4730  
 Mepivacaine hydrochloride and levonordefrin, 4731  
 Meropenem for, 4741  
 Mesoridazine besylate, 4751  
 Metaraminol bitartrate, 4760  
 Methadone hydrochloride, 4778  
 Methocarbamol, 4795  
 Methohexital sodium for, 4798

**Injection** (continued)

- Methotrexate, 4801  
 Methotrexate for, 4802  
 Methotrimeprazine, 4803  
 Methyl Dopate hydrochloride, 4821  
 Methylene blue, 4823  
 Methylene blue, veterinary, 4823  
 Methylergonovine maleate, 4825  
 Methylprednisolone sodium succinate for, 4838  
 Metoclopramide, 4845  
 Metoprolol tartrate, 4856  
 Metronidazole, 4866  
 Mezlocillin for, 4874  
 Miconazole, 4876  
 Midazolam, 4880  
 Minocycline for, 4887  
 Mitomycin for, 4907  
 Mitoxantrone, 4909  
 Morphine sulfate, 4944  
 Morrhuate sodium, 4946  
 Mycophenolate mofetil for, 4960  
 N 13, ammonia, 5081  
 Nafcillin, 4975  
 Nafcillin for, 4976  
 Nalorphine hydrochloride, 4983  
 Naloxone hydrochloride, 4984  
 Nandrolone decanoate, 4988  
 Nandrolone phenpropionate, 4989  
 Neomycin for, 5010  
 Neostigmine methylsulfate, 5041  
 Netilmicin sulfate, 5042  
 Niacin, 5049  
 Niacinamide, 5053  
 Nicardipine hydrochloride, 5055  
 Nitroglycerin, 5083  
 Norepinephrine bitartrate, 5093  
 Ondansetron, 5153  
 Orphenadrine citrate, 5168  
 Oxacillin, 5180  
 Oxacillin for, 5181  
 Oxaliplatin, 5187  
 Oxaliplatin for, 5189  
 Oxymorphone hydrochloride, 5235, 8758  
 Oxytetracycline, 5237  
 Oxytetracycline for, 5241  
 Oxytocin, 5246  
 Paclitaxel, 5250  
 Pamidronate disodium for, 5256  
 Pancuronium bromide, 5264  
 Papaverine hydrochloride, 5275  
 Paricalcitol, 5279  
 Particulate matter in injections (788), 608  
 Penicillin G potassium, 5304  
 Penicillin G potassium for, 5305  
 Penicillin G sodium for, 5317  
 Pentazocine, 5331  
 Pentobarbital sodium, 5334  
 Perphenazine, 5346  
 Phenobarbital sodium, 5361  
 Phentolamine mesylate for, 5371  
 Phenylbutazone, 5374  
 Phenylephrine hydrochloride, 5379  
 Phenytoin sodium, 5392  
 Physostigmine salicylate, 5396  
 Phytonadione injectable emulsion, 5397  
 Piperacillin for, 5422  
 Piperacillin and tazobactam for, 5424, 8132  
 Polymyxin B for, 5445  
 Potassium acetate, 5450  
 Potassium chloride concentrate for, 5458  
 Potassium chloride in dextrose, 5460, 8771  
 Potassium chloride in dextrose and sodium chloride, 5461, 8772  
 Potassium chloride in lactated Ringer's and dextrose, 5462, 8774  
 Potassium chloride in sodium chloride, 5463, 8776  
 Potassium phosphates, 5479  
 Pralidoxime chloride for, 5486  
 Prednisolone sodium phosphate, 5510  
 Prednisolone sodium succinate for, 5511  
 Prilocaine and epinephrine, 5520  
 Prilocaine hydrochloride, 5519  
 Procainamide hydrochloride, 5532  
 Procaine hydrochloride, 5535  
 Procaine hydrochloride and epinephrine, 5536  
 Procaine and tetracaine hydrochlorides and levonordefrin, 5537  
 Prochlorperazine edisylate, 5541  
 Progesterone, 5546  
 Promazine hydrochloride, 5553  
 Promethazine hydrochloride, 5555, 8785  
 Propofol injectable emulsion, 5575  
 Propoxycaïne and procaine hydrochlorides and levonordefrin, 5577  
 Propoxycaïne and procaine hydrochlorides and norepinephrine bitartrate, 5578  
 Propranolol hydrochloride, 5592  
 Protamine sulfate, 5601, 8792  
 Pyridostigmine bromide, 5620  
 Pyridoxine hydrochloride, 5624  
 Quinidine gluconate, 5644  
 Ranitidine, 5670  
 Ranitidine in sodium chloride, 5673  
 Repository corticotropin, 3313  
 Reserpine, 5683  
 Riboflavin, 5697  
 Rifampin for, 5704  
 Ringer's, 5714  
 Ringer's and dextrose, 5716, 8801  
 Ringer's and dextrose, half-strength lactated, 5718, 8808  
 Ringer's and dextrose, lactated, 5717, 8805  
 Ringer's and dextrose, modified, lactated, 5719, 8811  
 Ringer's, lactated, 5716, 8803  
 Ritodrine hydrochloride, 5731  
 Ropivacaine hydrochloride, 5763  
 Rose bengal sodium I 131, 4347  
 Rubidium chloride Rb 82, 5767  
 Sargramostim for, 5796  
 Scopalamine hydrobromide, 5813  
 Secobarbital sodium, 5817  
 Secobarbital sodium for, 5818  
 Selenious acid, 5823  
 Sisomicin sulfate, 5852  
 Sm 153 lexidronam, samarium, 5791  
 Sodium acetate, 5856  
 Sodium bicarbonate, 5861  
 Sodium bromide, veterinary, 5863, 8820  
 Sodium chloride, 5866  
 Sodium chloride, bacteriostatic, 5867  
 Sodium chromate Cr 51, 3143  
 Sodium lactate, 5877  
 Sodium nitrite, 5880  
 Sodium nitroprusside for, 5881  
 Sodium phosphates, 5885  
 Sodium sulfate, 5892  
 Sodium thiosulfate, 5894, 8152  
 Somatropin for, 5896, 8155  
 Strontium chloride Sr 89, 5919  
 Streptomycin, 5918  
 Streptomycin for, 5918  
 Succinylcholine chloride, 5922  
 Succinylcholine chloride for, 5922, 8158  
 Sufentanil citrate, 5926  
 Sugar, invert, 5927  
 Sulfadiazine sodium, 5944  
 Sulfamethoxazole and trimethoprim, 5954  
 Sumatriptan, 5971  
 Technetium Tc 99m albumin, 6011  
 Technetium Tc 99m albumin aggregated, 6012  
 Technetium Tc 99m albumin colloid, 6013  
 Technetium Tc 99m apcitide, 6015  
 Technetium Tc 99m arcitumomab, 6016  
 Technetium Tc 99m bicisate, 6016  
 Technetium Tc 99m depreotide, 6017  
 Technetium Tc 99m disofenin, 6018  
 Technetium Tc 99m etidronate, 6019  
 Technetium Tc 99m exametazime, 6019  
 Technetium Tc 99m fanolesomab, 6020  
 Technetium Tc 99m gluceptate, 6021  
 Technetium Tc 99m lidofenin, 6022  
 Technetium Tc 99m memofen, 6023  
 Technetium Tc 99m medronate, 6024  
 Technetium Tc 99m mertiatide, 6025  
 Technetium Tc 99m nofetumomab merpentan, 6026  
 Technetium Tc 99m oxiseonate, 6026  
 Technetium Tc 99m pentetate, 6027  
 Technetium Tc 99m pertechnetate, sodium, 6028  
 Technetium Tc 99m pyrophosphate, 6029  
 Technetium Tc 99m (pyro- and trimeta-) phosphates, 6030  
 Technetium Tc 99m red blood cells, 6030  
 Technetium Tc 99m sestamibi, 6031  
 Technetium Tc 99m succimer, 6032  
 Technetium Tc 99m sulfur colloid, 6033  
 Technetium Tc 99m tetrofosmin, 6033  
 Teniposide, 8167  
 Terbutaline sulfate, 6056  
 Testosterone cypionate, 6067  
 Testosterone enanthate, 6068  
 Testosterone propionate, 6069  
 Tetracaine hydrochloride, 6074  
 Tetracaine hydrochloride for, 6075  
 Tetracaine hydrochloride in dextrose, 6076  
 Tetracycline hydrochloride for, 6083  
 Thallous chloride Tl 201, 6094  
 Theophylline in dextrose, 6100  
 Thiamine hydrochloride, 6109  
 Thiopental sodium for, 6122  
 Thiopepa for, 6128, 8848  
 Thiothixene hydrochloride, 6131  
 Thiothixene hydrochloride for, 6132  
 Ticarcillin and clavulanic acid, 6143  
 Ticarcillin and clavulanic acid for, 6144  
 Ticarcillin for, 6141  
 Tigecycline for, 6152  
 Tiletamine and zolazepam for, 6154  
 Tilimicosin, 6156  
 Tobramycin, 6169  
 Tobramycin for, 6170  
 Tolazoline hydrochloride, 6186  
 Tolbutamide for, 6187  
 Trifluoperazine hydrochloride, 6259  
 Triflupromazine hydrochloride, 6262  
 Trimethobenzamide hydrochloride, 6271  
 Tripelennamine hydrochloride, 6277  
 Tromethamine for, 6284  
 Tubocurarine chloride, 6293  
 Tylosin, 6295  
 Urea for, 6302  
 Valproate sodium, 6317  
 Vancomycin, 6330  
 Vancomycin hydrochloride for, 6333  
 Vasopressin, 6336

**Injection** (continued)

Verapamil hydrochloride, 6349  
 Verteporfin for, 6357  
 Vinblastine sulfate for, 6364, 8859  
 Vincristine sulfate, 6367  
 Vincristine sulfate for, 6368  
 Vinorelbine, 6371  
 Warfarin sodium for, 6386  
 Water for, bacteriostatic, 6390  
 Water for, sterile, 6391  
 Water for, 6389  
 Xenon Xe 133, 6395  
 Xylazine, 6398  
 Yohimbine, 6402  
 Yttrium Y 90 ibritumomab tiuxetan, 6403  
 Zidovudine, 6413  
 Zinc chloride, 6422  
 Zinc sulfate, 6429  
 Zolazepam and tiletamine for injection, 6154

---

Injections and implanted drug products (parenterals)—product quality tests ⟨1⟩, 63  
 Inosine, 2121  
 Inositol, 2121, 7348  
 Insoluble matter in reagents, 2083  
 Insulin, 4314  
   aspart, 4318  
   assays ⟨121⟩, 193  
   glargine, 4320  
   glargine injection, 4322  
   human, 4324, 8686  
   human injection, 4326  
   human isophane suspension and human insulin injection, 4327  
   human suspension, isophane, 4330  
   injection, 4317, 8684  
   lispro, 4331, 8689  
   lispro injection, 4333  
   suspension, isophane, 4329, 8688  
   zinc suspension, 4334, 8691  
   zinc suspension, extended, 4334, 8692  
   zinc suspension, prompt, 4335, 8694  
 Insulin aspart injection, 4319  
 Intestinal fluid, simulated, TS, 2171  
 Intramammary infusion  
   amoxicillin, 2521  
   cloxacillin benzathine, 3264  
 Intrauterine contraceptive system  
   progesterone, 5546  
 Intrinsic viscosity table, 2276  
 Inulin, 4335  
   in sodium chloride injection, 4337  
 Invert sugar, 7350  
 In vitro  
   and in vivo evaluation of dosage forms ⟨1088⟩, 1183  
   biological reactivity tests ⟨87⟩, 167, 7697  
 In vivo  
   biological reactivity tests ⟨88⟩, 169  
   and in vitro evaluation of dosage forms ⟨1088⟩, 1183  
 Iobenguane  
   I 123 injection, 4340  
   I 131 injection, 4341  
   sulfate, 2121  
 Iodic acid, 2121  
 Iodinated  
   I 125 albumin injection, 4344  
   I 131 albumin aggregated injection, 4345  
   I 131 albumin injection, 4345  
   I 131 capsules, sodium iodide, 4347  
   I 123 injection, iobenguane, 4340  
   I 123 injection, iodohippurate sodium, 4341  
   I 123 solution, sodium iodide, 4343  
   I 125 albumin injection, iodinated, 4344  
   I 125 injection, iothalamate sodium, 4344  
   I 131 albumin aggregated injection, iodinated, 4345  
   I 131 albumin injection, iodinated, 4345  
   I 131 capsules, sodium iodide, 4347  
   I 131 injection, iobenguane, 4341  
   I 131 injection, iodohippurate sodium, 4346  
   I 131 injection, rose bengal sodium, 4347  
   I 131 solution, sodium iodide, 4348  
   monobromide, 2121  
   monochloride, 2122  
   monochloride TS, 2171  
   and potassium iodide TS 1, 2171  
   and potassium iodide TS 2, 2171  
   and potassium iodide TS 3, 2171  
   solution, strong, 4338  
   topical solution, 4338  
   tenth-normal (0.1 N), 2180  
   tincture, 4339  
   tincture, strong, 4339  
   TS, 2171  
   twentieth-normal (0.05 N), 2180  
 Iodipamide, 4348  
   meglumine injection, 4349  
 Iodixanol, 4350  
   injection, 4355  
 Iodobromide TS, 2171  
 Iodochloride TS, 2171  
 Iodoethane, 2122  
 Iodoform, 4358  
 Iodohippurate sodium  
   I 123 injection, 4341  
   I 131 injection, 4346  
 Iodometric assay—antibiotics ⟨425⟩, 323  
 p-Iodonitrotetrazolium violet, 2122  
 Iodoplatinate TS, 2171  
 Iodoquinol, 4358  
   tablets, 4359  
 Iohexol, 4360  
   injection, 4364  
 Ion chromatography ⟨1065⟩, 1103, 7755  
 Ion-exchange resin, 2122  
 Iopamidol, 4365  
   injection, 4366  
 Iopanoic acid, 4367, 8696  
   tablets, 4368, 8696  
 Iophendylate, 4368, 8076  
   injection, 4369, 8077  
 Iopromide, 4369  
   injection, 4371  
 Iothalamate  
   meglumine injection, 4372  
   meglumine and iothalamate sodium injection, 4373  
   sodium I 125 injection, 4344  
   sodium injection, 4374  
   sodium and iothalamate meglumine injection, 4373  
 Iothalamic acid, 4374  
 Ioversol, 4375  
   injection, 4376  
 Ioxaglate  
   meglumine and ioxaglate sodium injection, 4377

sodium and ioxaglate meglumine injection, 4377  
 Ioxaglic acid, 4378  
 Ioxilan, 4378  
   injection, 4380  
 Ipecac, 4381  
   powdered, 4382  
   oral solution, 4383  
 Ipodate sodium, 4384, 8696  
   capsules, 4384, 8697  
 Ipratropium bromide, 4384  
 Irbesartan, 4386  
   and hydrochlorothiazide tablets, 4388  
   tablets, 4387  
 Irinotecan hydrochloride, 4390  
   injection, 4393  
 Iron  
   carbonyl, 4394  
   dextran injection, 4395  
   phenol TS, 2171  
   powder, 2122  
   salicylate TS, 2171  
   sorbitex injection, 4396  
   sucrose injection, 4397  
   wire, 2122  
 Iron ⟨241⟩, 275  
 Isoamyl  
   alcohol, 2122  
 Isobutane, 7353  
 Isobutyl  
   acetate, 2122  
   alcohol, 2122, 7353  
 4-Isobutylacetophenone, 2122  
 N-Isobutylpiperidone, 2122  
 Isoetharine  
   hydrochloride, 4399  
   inhalation solution, 4400  
   mesylate, 4400  
   mesylate inhalation aerosol, 4401  
 Isoflupredone acetate, 2122, 4402  
 Injectable suspension, 4403  
   neomycin sulfate and tetracaine hydrochloride ointment, 5021  
   neomycin sulfate and tetracaine hydrochloride topical powder, 5022  
 Isoflurane, 4403  
 Isoleucine, 4405, 8077  
 L-Isoleucine, 2122  
 Isomalt, 7355, 7965  
 Isomaltotriose, 2122  
 Isometheptene mucate, 4406  
   dichloralphenazone, and acetaminophen capsules, 4407  
 2-Isoniazid, 4408, 8456  
   injection, 4409  
   and rifampin capsules, 5705  
   rifampin, pyrazinamide, and ethambutol hydrochloride tablets, 5708  
   rifampin and pyrazinamide tablets, 5707  
   oral solution, 4409  
   tablets, 4410  
 Isonicotinamide, 8456  
 Isonicotinic acid, 2122  
   hydrazide, 2122  
 Isooctane, 2122  
 Isopropamide iodide, 4411  
   tablets, 4411  
 Isopropyl  
   acetate, 2122  
   alcohol, 2122, 4412  
   alcohol, azeotropic, 4413  
   alcohol, dehydrated, 2122  
   alcohol, rubbing, 4414  
   ether, 2122  
   iodide, 2122

Isopropyl (*continued*)  
 myristate, 2122, 7357  
 palmitate, 7357  
 salicylate, 2122  
 Isopropylamine, 2122  
 Isoproterenol  
 hydrochloride, 4414  
 hydrochloride and acetylcysteine inhalation solution, 2334  
 hydrochloride inhalation aerosol, 4415  
 hydrochloride injection, 4416  
 hydrochloride and phenylephrine bitartrate inhalation aerosol, 4417  
 hydrochloride tablets, 4417  
 inhalation solution, 4414  
 sulfate, 4419  
 sulfate inhalation aerosol, 4420  
 sulfate inhalation solution, 4421  
 Isorhamnetin, 2123  
 Isosorbide  
 concentrate, 4421  
 dinitrate extended-release capsules, 4424  
 dinitrate chewable tablets, 4425  
 dinitrate, diluted, 4423  
 dinitrate sublingual tablets, 4427  
 dinitrate extended-release tablets, 4426  
 mononitrate, diluted, 4428  
 mononitrate tablets, 4429  
 mononitrate extended-release tablets, 4431  
 oral solution, 4423  
 Isotretinoin, 4436  
 capsules, 4436, 8697  
 Isovaleric acid, 2123  
 Isoxsuprine hydrochloride, 4440  
 injection, 4440  
 tablets, 4441  
 Isradipine, 4442  
 capsules, 4443  
 oral suspension, 4443, 8701  
 Itraconazole, 4444  
 Ivermectin, 4445  
 and clorsulon injection, 4451  
 injection, 4447  
 paste, 4448  
 and pyrantel pamoate tablets, 4452  
 topical solution, 4451  
 tablets, 4449

**J**

Juniper tar, 4455

**K**

Kaempferol, 2123  
 Kanamycin  
 injection, 4456  
 sulfate, 4457  
 sulfate capsules, 4458  
 Kaolin, 4459  
 Kerosene, 2123  
 Ketamine hydrochloride, 4459  
 injection, 4460  
 Ketoconazole, 4461  
 oral suspension, 4462, 8702  
 tablets, 4463

Ketoprofen, 4463  
 capsules, 4464  
 extended-release capsules, 4466  
 Ketorolac tromethamine, 4467  
 injection, 4468  
 tablets, 4470  
 Kr 81m  
 krypton, 4471  
 Krill oil  
 capsules, 6721  
 delayed-release capsules, 6724  
 Krypton Kr 81m, 4471

**L**

L designations, 2123  
 Labeling (7), 97  
 Labeling of inactive ingredients (1091), 1202  
 Labetalol hydrochloride, 4473  
 injection, 4474  
 oral suspension, 4474, 8703  
 tablets, 4475  
 alpha-Lactalbumin, 7358  
 Lactase, 4476  
 Lactic acid, 4476  
 Lactitol, 7362  
 Lactobionic acid, 7363  
 Lactose, 2123  
 anhydrous, 7364  
 beta, 2123  
 monohydrate, 7366  
 monohydrate, alpha, 2123  
 Lactulose  
 concentrate, 4477, 8703  
 solution, 4478, 8704  
 Lamivudine, 4479  
 oral solution, 4481  
 tablets, 4482  
 and abacavir tablets, 7977  
 and zidovudine tablets, 4484  
 Lamotrigine, 4486  
 tablets, 4487  
 Lamotrigine  
 extended-release tablets, 4490  
 tablets for oral suspension, 4491  
 Lamotrigine compounded  
 oral suspension, 4493  
 Lanolin, 4494  
 alcohols, 7367  
 modified, 4496  
 Lansoprazole, 4499  
 delayed-release capsules, 4501  
 Lansoprazole compounded  
 oral suspension, 4502  
 Lanthanum  
 alizarin complexan mixture, 2123  
 chloride, 2123  
 nitrate hexahydrate, 2123  
 nitrate TS, 2172  
 oxide, 2123  
 Latanoprost, 4503  
 Lauric acid, 7369  
 Lauroyl polyoxyglycerides, 7369  
 Lauryl dimethyl amine oxide, 2123  
 Lead  
 acetate, 2123  
 acetate paper, 2123  
 acetate test paper, 2164  
 acetate TS, 2172  
 acetate TS, alcoholic, 2172  
 monoxide, 2123  
 nitrate, 2124  
 nitrate, hundredth-molar (0.01 M), 2180  
 nitrate stock solution TS, 2172  
 perchlorate, 2124  
 perchlorate, hundredth-molar (0.01 M), 2180  
 perchlorate, tenth-molar (0.1 M), 2180  
 solution, standard, 2175  
 subacetate TS, 2172  
 subacetate TS, diluted, 2172  
 tetraacetate, 2124  
 Lead (251), 276  
 Leak rate (604), 451  
 Lecithin, 7370, 7968  
 Leflunomide, 4504  
 tablets, 4506  
 Lemon  
 oil, 7373  
 tincture, 7373  
 Letrozole, 4507  
 tablets, 4508  
 Leucine, 4510, 8078  
 Leucovorin calcium, 4511  
 injection, 4512  
 tablets, 4512  
 Leuprolide acetate, 4514  
 Levalbuterol  
 inhalation solution, 4516  
 Levalbuterol hydrochloride, 4518  
 Levamisole hydrochloride, 4520  
 tablets, 4520  
 Levetiracetam, 4521, 8079  
 extended-release tablets, 4527  
 injection, 4523  
 oral solution, 4524  
 tablets, 4526  
 Levmetamfetamine, 4532  
 Levobunolol hydrochloride, 4533  
 ophthalmic solution, 4534  
 Levocabastine hydrochloride, 4535  
 Levocarnitine, 4536  
 injection, 4537  
 oral solution, 4538  
 tablets, 4538  
 Levocetirizine dihydrochloride  
 tablets, 4541, 8705  
 Levodopa, 4542  
 capsules, 4543  
 Levodopa  
 and carbidopa extended-release tablets, 2926, 8018  
 and carbidopa orally disintegrating tablets, 2930, 8023  
 and carbidopa tablets, 2925  
 tablets, 4544  
 Levofloxacin, 4545  
 oral solution, 4547  
 tablets, 4548  
 Levonordefrin, 4551  
 and mepivacaine hydrochloride injection, 4731  
 and procaine and tetracaine hydrochlorides injection, 5537  
 and propoxycaine and procaine hydrochlorides injection, 5577  
 Levonorgestrel, 4551  
 and ethinyl estradiol tablets, 4552  
 Levorphanol tartrate, 4553  
 injection, 4553  
 tablets, 4554  
 Levothyroxine sodium, 4554, 8081  
 oral powder, 4557  
 tablets, 4557  
 Licorice, 6727  
 extract, powdered, 6729

Licorice (*continued*)  
 fluidextract, 7374  
 powdered, 6728

Lidocaine, 4559  
 topical aerosol, 4560  
 hydrochloride, 4561  
 hydrochloride and dextrose injection, 4567  
 hydrochloride and epinephrine injection, 4567  
 hydrochloride injection, 4563  
 hydrochloride jelly, 4563  
 hydrochloride oral topical solution, 4564  
 hydrochloride topical solution, 4566  
 neomycin and polymyxin B sulfates and bacitracin ointment, 5027  
 neomycin and polymyxin B sulfates and bacitracin zinc ointment, 5031  
 and neomycin and polymyxin B sulfates cream, 5036  
 ointment, 4560  
 and prilocaine cream, 4568  
 oral topical solution, 4561

Light diffraction measurement of particle size (429), 324

Lime, 4570

Limestone  
 ground, 6730

Linalool, 2124

Lincomycin  
 hydrochloride, 4571  
 hydrochloride capsules, 4572  
 hydrochloride soluble powder, 4573  
 injection, 4571  
 oral solution, 4571

Lindane, 4573  
 cream, 4574  
 lotion, 4574  
 shampoo, 4575

Linoleic acid, 2124

Linoleoyl polyoxylglycerides, 7374

Liothyronine sodium, 4575  
 tablets, 4577

Liotrix tablets, 4577

Lipid injectable emulsion, 4578

Lipoic acid  
 alpha, 6731  
 capsules, alpha, 6732  
 tablets, alpha, 6733

$\alpha$ -Lipoic acid, 2124

Liquid petrolatum, 2124

Liquid-phase sterilization (1229.6), 1674

Lisinopril, 4579, 8707  
 and hydrochlorothiazide tablets, 4582  
 oral suspension, 4580, 8708  
 tablets, 4580

Lithium  
 carbonate, 4585  
 carbonate capsules, 4586  
 carbonate tablets, 4586  
 carbonate extended-release tablets, 4587  
 chloride, 2124  
 citrate, 4589  
 hydroxide, 2124, 4590  
 metaborate, 2124  
 methoxide, fiftieth-normal (0.02 N) in methanol, 2180  
 methoxide, tenth-normal (0.1 N) in chlorobenzene, 2180  
 methoxide, tenth-normal (0.1 N) in methanol, 2181  
 methoxide, tenth-normal (0.1 N) in toluene, 2181  
 nitrate, 2124  
 perchlorate, 2124  
 oral solution, 4584

sulfate, 2124

Lithocholic acid, 2124

Litmus, 2124, 2163  
 paper, blue, 2164  
 paper, red, 2164  
 TS, 2172

Locke-Ringer's solution, 2172  
 TS, 2172

Locust bean gum, 2124

Lomustine, 4591  
 capsules, 4593

Loperamide hydrochloride, 4594  
 capsules, 4595  
 oral solution, 4596  
 tablets, 4596

Lopinavir, 4598  
 Lopinavir  
 and ritonavir oral solution, 4600  
 and ritonavir tablets, 4604

Loracarbef, 4607  
 capsules, 4609  
 for oral suspension, 4609

Loratadine, 4610  
 chewable tablets, 4614  
 oral solution, 4612  
 tablets, 4613  
 orally disintegrating tablets, 4616

Lorazepam, 4618  
 injection, 4620  
 oral concentrate, 4621  
 tablets, 4622

Losartan potassium, 4624  
 and hydrochlorothiazide tablets, 4628  
 tablets, 4625, 8083

Loss on drying (731), 565

Loss on drying for reagents, 2083

Loss on ignition (733), 566

---

## Lotion

Amphotericin B, 2533

Benzoyl peroxide, 2724

Benzyl benzoate, 2728

Betamethasone dipropionate, 2742

Betamethasone valerate, 2748

Clotrimazole, 3257

Flurandrenolide, 3989

Hydrocortisone, 4220

Hydrocortisone acetate, 4226

Lindane, 4574

Malathion, 4668

Methylbenzethonium chloride, 4812

Neomycin sulfate and flurandrenolide, 5017

Neomycin sulfate and hydrocortisone acetate, 5019

Nystatin, 5114

Padimate O, 5252

Triamcinolone acetonide, 6238

---

Lovastatin, 4631  
 tablets, 4632

Low molecular weight heparin molecular weight determinations (209), 246

Loxapine  
 capsules, 4634  
 succinate, 4633

Lufenuron, 8086

Lumefantrine, 4635

Lutein, 6734  
 capsules, 6735  
 preparation, 6736

Lycopene, 6737  
 preparation, 6738  
 tomato extract containing, 6739

Lysine  
 acetate, 4637  
 hydrochloride, 4637  
 hydrochloride tablets, 6742

L-Lysine, 2124

## M

Mafenide acetate, 4639  
 cream, 4640  
 for topical solution, 4640

Magaldrate, 4642  
 and simethicone chewable tablets, 4645  
 and simethicone oral suspension, 4644  
 oral suspension, 4643  
 tablets, 4643

Magnesia  
 alumina and calcium carbonate chewable tablets, 2409  
 alumina, calcium carbonate, and simethicone chewable tablets, 2410  
 alumina and calcium carbonate oral suspension, 2408  
 alumina and simethicone chewable tablets, 2414  
 alumina and simethicone oral suspension, 2412  
 and alumina oral suspension, 2406  
 and alumina tablets, 2407  
 aspirin and alumina tablets, 2610  
 aspirin, codeine phosphate, and alumina tablets, 2616  
 calcium carbonate and simethicone chewable tablets, 2870  
 and calcium carbonate chewable tablets, 2869  
 milk of, 4646  
 mixture TS, 2172  
 tablets, 4646

Magnesium, 2124  
 acetate, 2124  
 aluminometasilicate, 7375  
 aluminosilicate, 7376  
 aluminum silicate, 7378, 8558  
 and calcium carbonates oral suspension, 2872  
 and calcium carbonates tablets, 2872  
 carbonate, 4647  
 carbonate and citric acid for oral solution, 4648  
 carbonate, citric acid, and potassium citrate for oral solution, 4649  
 carbonate and sodium bicarbonate for oral suspension, 4649  
 carbonate, alumina, and magnesium oxide tablets, 2417  
 carbonate and alumina oral suspension, 2415  
 carbonate and alumina tablets, 2416  
 chloride, 2124, 4650  
 chloride, 0.01 M, 2181  
 citrate, 4651  
 citrate oral solution, 4652  
 citrate for oral solution, 4653  
 gluconate, 4654

- Magnesium (*continued*)  
 gluconate tablets, 4655  
 hydroxide, 4656  
 hydroxide paste, 4657  
 nitrate, 2124  
 oxide, 2124, 4657  
 oxide, alumina, and magnesium carbonate tablets, 2417  
 oxide, aspirin, and alumina tablets, 2611  
 oxide capsules, 4659  
 oxide, chromatographic, 2124  
 oxide, citric acid, and sodium carbonate irrigation, 3190  
 oxide tablets, 4659  
 perchlorate, anhydrous, 2124  
 phosphate, 4660  
 salicylate, 4661  
 salicylate tablets, 4662  
 silicate, 7380  
 silicate, activated, 2085, 2124  
 silicate, chromatographic, 2124  
 stearate, 7381, 7971  
 sulfate, 2124, 4663  
 sulfate, anhydrous, 2124  
 sulfate in dextrose injection, 4665  
 sulfate injection, 4665  
 sulfate TS, 2172  
 trisilicate, 4666  
 trisilicate and alumina oral suspension, 2418  
 trisilicate and alumina tablets, 2419  
 trisilicate tablets, 4667
- Malabar-nut-tree, leaf, 6743  
 powdered, 6744  
 extract, powdered, 6745
- Malachite green  
 G, 2124  
 oxalate, 2163  
 TS, 2172
- Malathion, 4667  
 lotion, 4668
- Maleic acid, 2124, 7384
- Malic acid, 7385
- Mallory's stain, 2172
- Maltitol, 7386  
 solution, 7387
- Maltodextrin, 7389
- Maltol, 7391
- Maltose, 7392
- Maltotriose, 2125
- Mandelic acid, 7392
- Mangafodipir trisodium, 4669, 8709  
 injection, 4671, 8711
- Manganese, 2125  
 chloride, 4672  
 chloride injection, 4672  
 chloride for oral solution, 4673  
 dioxide, 2125  
 dioxide, activated, 2125  
 gluconate, 4673  
 sulfate, 4675  
 sulfate injection, 4675
- Mannitol, 4676, 8712  
 injection, 4677  
 in sodium chloride injection, 4678
- Manufacturing practices for dietary supplements (2750), 2059, 8431
- Maprotiline hydrochloride, 4679  
 tablets, 4680
- Marbofloxacin compounded, veterinary  
 oral suspension, 4681
- Maritime pine, 6746  
 extract, 6748
- Mass spectrometry (736), 571
- Mayer's reagent, 2172
- Mazindol, 4681  
 tablets, 4682
- Mebendazole, 4683  
 oral suspension, 4684  
 tablets, 4685
- Mebrofenin, 4686
- Mecamylamine hydrochloride, 4687  
 tablets, 4688
- Mechlorethamine hydrochloride, 4689  
 for injection, 4690
- Meclizine hydrochloride, 4690  
 tablets, 4692
- Meclocycline sulfosalicylate, 4693  
 cream, 4694
- Meclofenamate sodium, 4694  
 capsules, 4695
- Medical air, 2348
- Medical devices—bacterial endotoxin and pyrogen tests (161), 219
- Medical gases assay (415), 320
- Medium-chain triglycerides, 2125, 7595
- Medroxyprogesterone acetate, 4696  
 injectable suspension, 4697  
 tablets, 4697
- Mefenamic acid, 4698  
 capsules, 4699
- Mefloquine hydrochloride, 4700  
 tablets, 4701
- Megestrol acetate, 4702  
 oral suspension, 4703  
 tablets, 4704
- Meglumine, 4705
- Melamine, 2125
- Melatonin, 6749  
 tablets, 6751
- Melengestrol acetate, 4706
- Meloxicam, 4707  
 oral suspension, 4710  
 tablets, 4711
- Melphalan, 4712  
 tablets, 4713
- Melting range or temperature (741), 576
- Memantine hydrochloride, 4714  
 tablets, 4716, 8087
- Members of the United States Pharmacopeial Convention, xxi
- Menadiol sodium diphosphate, 4719  
 injection, 4719  
 tablets, 4720
- Menadione, 4720  
 injection, 4721
- Menaquinone-7, 6752  
 capsules, 6753  
 extract, *Bacillus subtilis* subsp. *subtilis*, 6757  
 preparation, 6754  
 tablets, 6756
- Menthol, 4721  
 and benzocaine topical aerosol, 2716  
 lozenges, 4722  
 and tetracaine ointment, 6072
- Meperidine hydrochloride, 4723  
 injection, 4724  
 oral solution, 4724  
 tablets, 4725
- Mephenytoin, 4726  
 tablets, 4727
- Mephobarbital, 4728  
 tablets, 4728
- Mepivacaine hydrochloride, 4729  
 injection, 4730  
 and levonordefrin injection, 4731
- Meprednisone, 4732
- Meprobamate, 4733  
 oral suspension, 4734  
 tablets, 4734
- Meradimate, 4735
- 2-Mercaptoethanol, 2125
- Mercaptopurine, 4736  
 tablets, 4738
- Mercuric  
 acetate, 2125  
 acetate TS, 2172  
 ammonium thiocyanate TS, 2172  
 bromide, 2125  
 bromide test paper, 2164  
 bromide TS, alcoholic, 2172  
 chloride, 2125  
 chloride TS, 2172  
 iodide, red, 2125  
 iodide, TS, 2172  
 nitrate, 2125  
 nitrate, tenth-molar (0.1 M), 2181  
 nitrate TS, 2172  
 oxide, yellow, 2125  
 potassium iodide TS, 2172  
 potassium iodide TS, alkaline, 2172  
 sulfate, 2125  
 sulfate TS, 2172  
 thiocyanate, 2125
- Mercurous nitrate  
 dihydrate, 2125  
 TS, 2172
- Mercury, 2125  
 ammoniated, 4739
- Mercury (261), 277
- Meropenem, 4740  
 for injection, 4741
- Mesalamine, 4743  
 extended-release capsules, 4745  
 rectal suspension, 4746  
 delayed-release tablets, 4748
- Mesityl oxide, 2125
- Mesna, 4749, 8090
- Mesoridazine besylate, 4751  
 injection, 4751  
 oral solution, 4752  
 tablets, 4753
- Mestranol, 4754  
 and ethynodiol diacetate tablets, 3825  
 and norethindrone tablets, 5097
- Metacresol, 4754
- Metal particles in ophthalmic ointments (751), 578
- Metanil  
 yellow, 2125
- Metaphenylenediamine hydrochloride, 2125  
 TS, 2172
- Metaphosphoric-acetic acid TS, 2172
- Metaphosphoric acid, 2125
- Metaproterenol sulfate, 4756  
 inhalation aerosol, 4757  
 inhalation solution, 4758  
 oral solution, 4758  
 tablets, 4759
- Metaraminol bitartrate, 4759  
 injection, 4760
- Metaxalone, 4760  
 tablets, 4762
- Metformin hydrochloride, 4764  
 extended-release tablets, 4766, 8092  
 and glipizide tablets, 4119  
 and glyburide tablets, 4130, 8070  
 and pioglitazone tablets, 5416  
 tablets, 4765
- Methacholine chloride, 4774
- Methacrylic acid, 2125  
 copolymer, 7394  
 copolymer dispersion, 7396  
 and ethyl acrylate copolymer, 7397

- Methacrylic acid (*continued*)  
 and ethyl acrylate copolymer dispersion, 7398  
 and ethyl acrylate copolymer, partially-neutralized, 7401  
 and methyl methacrylate copolymer, 7399
- Methacycline hydrochloride, 4775  
 capsules, 4776  
 oral suspension, 4777
- Methadone hydrochloride, 4777  
 injection, 4778  
 oral concentrate, 4778  
 oral solution, 4779  
 tablets, 4779  
 tablets for oral suspension, 4780
- Methamphetamine hydrochloride, 4781  
 tablets, 4781
- Methanesulfonic acid, 2125
- Methanol, 2125  
 aldehyde-free, 2125  
 anhydrous, 2125  
 deuterated, 2106  
 spectrophotometric, 2125
- Methazolamide, 4783  
 tablets, 4783
- Methdilazine hydrochloride, 4784  
 oral solution, 4784  
 tablets, 4785
- Methenamine, 2125, 4786  
 hippurate, 4788  
 hippurate tablets, 4788  
 mandelate, 4789  
 mandelate for oral solution, 4790  
 mandelate oral suspension, 4790  
 mandelate tablets, 4791  
 mandelate delayed-release tablets, 4791  
 oral solution, 4786  
 tablets, 4787
- Methimazole, 4792  
 tablets, 4793
- Methionine, 4793
- Methocarbamol, 4794, 8714  
 injection, 4795  
 tablets, 4796
- Methods for the determination of particulate matter in injections and ophthalmic solutions (1788), 1963
- Methohexital, 4797  
 sodium for injection, 4798
- Methotrexate, 4799  
 injection, 4801  
 for injection, 4802  
 tablets, 4802
- Methotrimeprazine, 4803  
 injection, 4803
- Methoxsalen, 4804  
 capsules, 4805  
 topical solution, 4806
- 5-Methoxy-1*H*-benzimidazole-2-thiol, 2125
- 7-Methoxycoumarin, 2125
- Methoxy determination (431), 329
- Methoxyethanol, 2125
- 2-Methoxyethanol, 2125
- Methoxyflurane, 4806
- 5-Methoxy-2-methyl-3-indoleacetic acid, 2125
- Methoxyphenylacetic acid, 2126
- Methoxyphenylacetic TS, 2172
- Methscopolamine bromide, 4807  
 tablets, 4808
- Methsuximide, 4809  
 capsules, 4810
- Methyclothiazide, 4810  
 tablets, 4811
- Methyl  
 acetate, 2126  
 alcohol, 7402  
 4-aminobenzoate, 2126  
 arachidate, 2126  
 behenate, 2126  
 benzenesulfonate, 2126  
 caprate, 2126  
 caprylate, 2126  
 carbamate, 2126  
 chloroform, 2126  
 erucate, 2126  
 ethyl ketone, 2126  
 green, 2126  
 green-iodomercurate paper, 2164  
 heptadecanoate, 2126  
 iodide, 2126  
 isobutyl ketone, 2126, 7403  
 laurate, 2126  
 lignocerate, 2127  
 linoleate, 2127  
 linolenate, 2127  
 methacrylate, 2127  
 methacrylate and ethyl acrylate copolymer dispersion, 7292  
 myristate, 2127  
 oleate, 2127  
 orange, 2163  
 orange TS, 2172  
 palmitate, 2127  
 purple TS, 2172  
 red, 2127, 2163  
 red–methylene blue TS, 2173  
 red sodium, 2163  
 red TS, 2173  
 red TS 2, 2173  
 red TS, methanolic, 2173  
 salicylate, 7403  
 stearate, 2127  
 sulfoxide, 2127  
 violet TS, 2173  
 yellow, 2127, 2163  
 yellow–methylene blue TS, 2173  
 yellow paper, 2164  
 yellow TS, 2173
- 3-Methyl-2-benzothiazolinone hydrazone hydrochloride TS, 2173
- Methylamine, 40 percent in water, 2127
- Methylamine hydrochloride, 2127
- p*-Methylaminophenol sulfate, 2127
- Methylbenzethonium chloride, 4812  
 lotion, 4812  
 ointment, 4813  
 topical powder, 4813
- 4-Methylbenzophenone, 2128
- Methylbenzothiazolone hydrazone hydrochloride, 2128
- (*R*)-(+)- $\alpha$ -Methylbenzyl isocyanate, 2128
- (*S*)-(-)- $\alpha$ -Methylbenzyl isocyanate, 2128
- Methylcellulose, 4814, 8715  
 ophthalmic solution, 4815  
 oral solution, 4816  
 tablets, 4816
- Methylcobalamin, 6758  
 tablets, 8533
- Methyldopa, 4816  
 and chlorothiazide tablets, 4818  
 and hydrochlorothiazide tablets, 4819  
 oral suspension, 4817  
 tablets, 4818
- Methyldopate hydrochloride, 4821  
 injection, 4821
- Methylene  
 blue, 2128, 4822  
 blue injection, 4823  
 blue injection, veterinary, 4823  
 blue TS, 2173  
 chloride, 2128, 7404
- 5,5'-Methylenedisalicylic acid, 2128
- Methylergonovine maleate, 4824, 8717  
 injection, 4825  
 tablets, 4826
- 3-*O*-Methylestrone, 2128
- Methyl methacrylate  
 and methacrylic acid copolymer, 7399
- 2-Methyl-5-nitroimidazole, 2128
- N*-Methyl-*N*-nitroso-*p*-toluenesulfonamide, 2128
- Methylparaben, 7405  
 sodium, 7406
- 4-Methylpentan-2-ol, 2128
- 2-Methylpentane, 2128
- 4-Methyl-2-pentanone, 2128
- Methylphenidate hydrochloride, 4827  
 tablets, 4828  
 extended-release tablets, 4829, 8718
- Methylprednisolone, 4833  
 acetate, 4834  
 acetate cream, 4835  
 acetate injectable suspension, 4836  
 acetate and neomycin sulfate cream, 5022  
 hemisuccinate, 4837  
 sodium succinate, 4838, 8100  
 sodium succinate for injection, 4838  
 tablets, 4834
- 2-Methyl-2-propyl-1,3-propanediol, 2128
- Methyl *p*-toluenesulfonate, 2127
- N*-Methylpyrrolidine, 2128
- Methylpyrrolidone, 7407
- Methylsulfonylethane, 6759  
 and glucosamine tablets, 6683  
 glucosamine, and chondroitin sulfate sodium tablets, 6684  
 tablets, 6760
- Methyltestosterone, 4840  
 capsules, 4841  
 tablets, 4842
- Methylthionine perchlorate TS, 2173
- Methysergide maleate, 4842  
 tablets, 4843
- Metoclopramide  
 hydrochloride, 4844  
 injection, 4845  
 oral solution, 4846  
 tablets, 4847
- Metolazone, 4848  
 oral suspension, 4849, 8722  
 tablets, 4850
- Metoprolol  
 fumarate, 4851  
 succinate, 4851  
 succinate extended-release tablets, 4853  
 tartrate, 4854  
 tartrate and hydrochlorothiazide tablets, 4858  
 tartrate injection, 4856  
 tartrate oral solution, 4856, 8723  
 tartrate oral suspension, 4857, 8723  
 tartrate tablets, 4858
- Metrifonate, 4861
- Metronidazole, 4862  
 benzoate, 4863  
 capsules, 4864  
 gel, 4865, 8724  
 injection, 4866  
 tablets, 4867  
 extended-release tablets, 8725
- Metronidazole benzoate compounded oral suspension, 4864



- Metyrapone, 4869  
tablets, 4869
- Metyrosine, 4870  
capsules, 4871
- Mexiletine hydrochloride, 4871  
capsules, 4872
- Mezlocillin  
for injection, 4874  
sodium, 4873
- Mibolerone, 4874  
oral solution, 4875
- Miconazole, 4875  
injection, 4876  
nitrate, 4877  
nitrate cream, 4877  
nitrate topical powder, 4878  
nitrate vaginal suppositories, 4879
- Microbial characterization, identification, and strain typing (1113), 1325
- Microbial enumeration tests—nutritional and dietary supplements (2021), 2019
- Microbiological attributes of nonsterile nutritional and dietary supplements (2023), 2030
- Microbiological best laboratory practices (1117), 1349
- Microbiological control and monitoring of aseptic processing environments (1116), 1336
- Microbiological examination of nonsterile products: acceptance criteria for pharmaceutical preparations and substances for pharmaceutical use (1111), 1321
- Microbiological examination of nonsterile products: microbial enumeration tests (61), 117
- Microbiological examination of nonsterile products: tests for specified microorganisms (62), 123
- Microbiological procedures for absence of specified microorganisms—nutritional and dietary supplements (2022), 2024
- Microscopy, optical (776), 595
- Midazolam, 4879  
injection, 4880
- Mid-infrared spectroscopy (854), 718
- Mid-infrared spectroscopy—theory and practice (1854), 1995
- Midodrine hydrochloride, 4882  
tablets, 4883
- Milk thistle, 6761  
capsules, 6765  
extract, powdered, 6764  
powdered, 6762  
tablets, 6767
- Millon's reagent, 2173
- Milrinone, 4884
- Mineral  
acid, 2128  
oil, 4885  
oil emulsion, 4886  
oil, light, 7408  
oil, rectal, 4886  
oil, topical light, 4887
- Minerals  
with calcium and vitamin D tablets, 6530  
capsules, 6768  
oil- and water-soluble vitamins with, capsules, 6974  
oil- and water-soluble vitamins with, oral solution, 7001  
oil- and water-soluble vitamins with, tablets, 7014  
tablets, 6776
- water-soluble vitamins with, capsules, 7065  
water-soluble vitamins with, oral solution, 7085  
water-soluble vitamins with, tablets, 7094
- Minimum fill (755), 579
- Minocycline  
hydrochloride, 4888  
hydrochloride capsules, 4889  
periodontal system, 4894  
hydrochloride oral suspension, 4890  
hydrochloride tablets, 4890  
hydrochloride extended-release tablets, 4891, 8101  
for injection, 4887
- Minoxidil, 4896  
topical solution, 4898, 8104  
tablets, 4897
- Mirtazapine, 4898  
tablets, 4900  
orally disintegrating tablets, 4901
- Misoprostol, 4903  
dispersion, 4904
- Mission  
and preface, vii, 7611, 8197  
statement, vii, 7611, 8197
- Mitomycin, 4905  
for injection, 4907
- Mitotane, 4908  
tablets, 4908
- Mitoxantrone  
hydrochloride, 4909  
injection, 4909
- Modafinil, 4911  
tablets, 4911
- Moexipril hydrochloride, 4913
- Moexipril hydrochloride  
and hydrochlorothiazide tablets, 4917  
tablets, 4915
- Moist heat sterilization of aqueous liquids (1229.2), 1659
- Molindone hydrochloride, 4919  
tablets, 4920
- Molybdenum, 2128
- Molybdic acid, 2128
- Molybdo-phosphotungstate TS, 2173
- Mometasone furoate, 4921  
cream, 4922  
ointment, 4923  
topical solution, 4925
- Monensin, 4926  
granulated, 4927  
premix, 4928  
sodium, 4928
- Monitoring devices—time, temperature, and humidity (1118), 1355
- Monitoring of bioburden (1229.3), 1664
- Monobasic  
potassium phosphate, 2128, 7487  
sodium phosphate, 2128, 5885
- Monobenzene, 4929  
cream, 4930
- Monochloroacetic acid, 2128
- Mono- and di-glycerides, 7409
- Monoethanolamine, 2128, 7410
- Monoglyceride citrate, 7410
- Monograph and reference material donors  
2014 recognition, xxviii
- Monosodium glutamate, 7411, 8456
- Monothioglycerol, 7412
- Montelukast  
sodium oral granules, 4932, 8727  
sodium tablets, 4934, 8730  
sodium chewable tablets, 4936, 8732
- Montelukast sodium, 4930
- Morantel tartrate, 4938
- Moricizine hydrochloride, 4939  
tablets, 4941
- Morin, 2128
- Morphine sulfate, 4942  
extended-release capsules, 4943, 8735  
injection, 4944  
suppositories, 4945, 8737
- Morpholine, 2128
- Morrhuate sodium injection, 4946
- Moxidectin, 4947
- Moxifloxacin  
hydrochloride, 4951  
ophthalmic solution, 4949
- Mucosal drug products—performance tests (1004), 8341
- Mucosal drug products—product quality tests (4), 86, 8292
- Mupirocin, 4952  
calcium, 4953, 8738  
cream, 4954  
ointment, 4955  
nasal ointment, 4956
- Mycophenolate  
sodium, 4965
- Mycophenolate mofetil, 4957  
capsules, 4958  
for injection, 4960  
for oral suspension, 4961  
tablets, 4963
- Mycophenolic acid  
delayed-release tablets, 4967
- Mycoplasma tests (63), 130
- Myristic acid, 7412
- Myristyl alcohol, 7413
- Myristyltrimethylammonium bromide, 2128
- Myrrh, 4969  
topical solution, 4970

**N**

- N 13 injection, ammonia, 5081
- Nabumetone, 4971  
tablets, 4972
- Nadolol, 4972  
and bendroflumethiazide tablets, 4975  
tablets, 4974
- Nafcillin  
injection, 4975  
for injection, 4976  
sodium, 4977  
sodium capsules, 4978  
sodium for oral solution, 4978  
sodium tablets, 4978
- Naftifine hydrochloride, 4978  
cream, 4979  
gel, 4980
- Nalidixic acid, 4980  
oral suspension, 4981  
tablets, 4982
- Nalorphine hydrochloride, 4983  
injection, 4983
- Naloxone  
hydrochloride, 4983  
hydrochloride injection, 4984  
and pentazocine tablets, 5329
- Naltrexone hydrochloride, 4985  
tablets, 4987
- Nandrolone  
decanoate, 4987  
decanoate injection, 4988  
phenpropionate, 4989

Nandrolone (*continued*)  
 phenpropionate injection, 4989  
 Naphazoline hydrochloride, 4990, 8105  
 nasal solution, 4990  
 ophthalmic solution, 4991  
 and pheniramine maleate ophthalmic solution, 4991  
 Naphthalene, 2128  
 1,3-Naphthalenediol, 2128  
 2,7-Naphthalenediol, 2129  
 2-Naphthalenesulfonic acid, 2129  
 Naphthol  
 dipotassium disulfonate, 2129  
 disodium disulfonate, 2129  
 1-Naphthol, 2129  
 reagent, 2173  
 TS, 2173  
 2-Naphthol, 2129  
 TS, 2173  
*p*-Naphtholbenzein, 2129, 2163  
 TS, 2173  
*β*-Naphthoquinone-4-sodium sulfonate, 2129  
 Naphthoresorcinol, 2129  
 1-Naphthylamine, 2129  
 1-Naphthylamine hydrochloride, 2129  
 2-Naphthyl chloroformate, 2129  
*N*-(1-Naphthyl)ethylenediamine dihydrochloride, 2129  
 TS, 2173  
 Naproxen, 4992  
 sodium, 4996  
 sodium tablets, 4996  
 oral suspension, 4993  
 tablets, 4993  
 delayed-release tablets, 4995  
 Narasin  
 granular, 4998  
 premix, 4999  
 Naratriptan  
 hydrochloride, 5001  
 hydrochloride oral suspension, 5003, 8740  
 tablets, 5000

---

## Nasal solution

Butorphanol tartrate, 2838  
 Calcitonin salmon, 2858  
 Cromolyn sodium, 3322  
 Ephedrine sulfate, 3711  
 Epinephrine, 3714  
 Flunisolide, 3949  
 Naphazoline hydrochloride, 4990  
 Oxymetazoline hydrochloride, 5232  
 Phenylephrine hydrochloride, 5380  
 Tetrahydrozoline hydrochloride, 6091  
 Xylometazoline hydrochloride, 6399

---

## Nasal spray

Butorphanol tartrate, 2840  
 Desmopressin acetate, 3389  
 Fluticasone propionate, 4010

---

Natamycin, 5003  
 ophthalmic suspension, 5004  
 Nateglinide, 5004  
 tablets, 5006  
 Near-infrared spectroscopy (1119), 1361

Nefazodone hydrochloride, 5007  
 tablets, 5008  
 Neomycin  
 boluses, 5010  
 and colistin sulfates and hydrocortisone acetate otic suspension, 3291  
 for injection, 5010  
 penicillin G, polymyxin B, hydrocortisone acetate, and hydrocortisone sodium succinate topical suspension, 5298  
 and polymyxin B sulfates, bacitracin, and hydrocortisone acetate ointment, 5026  
 and polymyxin B sulfates, bacitracin, and hydrocortisone acetate ophthalmic ointment, 5026  
 and polymyxin B sulfates, bacitracin, and lidocaine ointment, 5027  
 and polymyxin B sulfates and bacitracin ointment, 5025  
 and polymyxin B sulfates and bacitracin ophthalmic ointment, 5025  
 and polymyxin B sulfates, bacitracin zinc, and hydrocortisone ointment, 5029  
 and polymyxin B sulfates, bacitracin zinc, and hydrocortisone ophthalmic ointment, 5029  
 and polymyxin B sulfates, bacitracin zinc, and hydrocortisone acetate ophthalmic ointment, 5030  
 and polymyxin B sulfates, bacitracin zinc, and lidocaine ointment, 5031  
 and polymyxin B sulfates and bacitracin zinc ointment, 5028  
 and polymyxin B sulfates and bacitracin zinc ophthalmic ointment, 5028  
 and polymyxin B sulfates cream, 5023  
 and polymyxin B sulfates and dexamethasone ophthalmic ointment, 5032  
 and polymyxin B sulfates and dexamethasone ophthalmic suspension, 5033  
 and polymyxin B sulfates and gramicidin cream, 5033  
 and polymyxin B sulfates, gramicidin, and hydrocortisone acetate cream, 5034  
 and polymyxin B sulfates and gramicidin ophthalmic solution, 5034  
 and polymyxin B sulfates and hydrocortisone ophthalmic suspension, 5035  
 and polymyxin B sulfates and hydrocortisone otic solution, 5034  
 and polymyxin B sulfates and hydrocortisone otic suspension, 5035  
 and polymyxin B sulfates and hydrocortisone acetate cream, 5036  
 and polymyxin B sulfates and hydrocortisone acetate ophthalmic suspension, 5036  
 and polymyxin B sulfates and lidocaine cream, 5036  
 and polymyxin B sulfates ophthalmic ointment, 5024  
 and polymyxin B sulfates ophthalmic solution, 5024  
 and polymyxin B sulfates, penicillin G procaine, and hydrocortisone acetate topical suspension, 5315  
 and polymyxin B sulfates and pramoxine hydrochloride cream, 5037  
 and polymyxin B sulfates and prednisolone acetate ophthalmic suspension, 5038  
 and polymyxin B sulfates solution for irrigation, 5024  
 sulfate, 5011  
 sulfate and bacitracin ointment, 5012  
 sulfate and bacitracin zinc ointment, 5013  
 sulfate cream, 5011  
 sulfate and dexamethasone sodium phosphate cream, 5013  
 sulfate and dexamethasone sodium phosphate ophthalmic ointment, 5014  
 sulfate and dexamethasone sodium phosphate ophthalmic solution, 5015  
 sulfate and fluocinolone acetonide cream, 5016  
 sulfate and fluorometholone ointment, 5016  
 sulfate and flurandrenolide cream, 5017  
 sulfate and flurandrenolide lotion, 5017  
 sulfate and flurandrenolide ointment, 5018  
 sulfate and gramicidin ointment, 5018  
 sulfate and hydrocortisone cream, 5018  
 sulfate and hydrocortisone ointment, 5018  
 sulfate and hydrocortisone otic suspension, 5019  
 sulfate and hydrocortisone acetate cream, 5019  
 sulfate and hydrocortisone acetate lotion, 5019  
 sulfate and hydrocortisone acetate ointment, 5020  
 sulfate and hydrocortisone acetate ophthalmic suspension, 5020  
 sulfate, isoflupredone acetate, and tetracaine hydrochloride ointment, 5021  
 sulfate, isoflupredone acetate, and tetracaine hydrochloride topical powder, 5022  
 sulfate and methylprednisolone acetate cream, 5022  
 sulfate, nystatin, gramicidin, and triamcinolone acetonide cream, 5117  
 sulfate, nystatin, gramicidin, and triamcinolone acetonide ointment, 5117  
 sulfate, nystatin, thioestrepton, and triamcinolone acetonide cream, 5118  
 sulfate, nystatin, thioestrepton, and triamcinolone acetonide ointment, 5118  
 sulfate ointment, 5011  
 sulfate ophthalmic ointment, 5011  
 sulfate and prednisolone acetate ophthalmic suspension, 5039  
 sulfate oral solution, 5012  
 sulfate tablets, 5012  
 sulfate and triamcinolone acetonide cream, 5039  
 Neostigmine  
 bromide, 5040  
 bromide tablets, 5040  
 methylsulfate, 5041  
 methylsulfate injection, 5041  
 Neotame, 7415  
 Nephelometry, turbidimetry, and visual comparison (855), 722  
 Nessler's reagent, 2173  
 Netilmicin sulfate, 5041  
 injection, 5042  
 Neutralized  
 alcohol, 2129  
 phthalate buffer, 2165  
 Neutral red, 2163  
 TS, 2173  
 Nevirapine, 5043  
 oral suspension, 5044  
 tablets, 5046  
 New sterilization methods (1229.12), 7819  
 Niacin, 5047, 8741  
 extended-release tablets, 5050

Niacin (*continued*)  
 injection, 5049  
 or niacinamide assay (441), 331  
 tablets, 5049

Niacinamide, 5052  
 injection, 5053  
 or niacin assay (441), 331  
 tablets, 5054

Nicardipine hydrochloride, 5054  
 injection, 5055

Nickel-aluminum catalyst, 2129

Nickel, 2129  
 standard solution TS, 2173  
 sulfate, 2129  
 (II) sulfate heptahydrate, 2129

$\beta$ -Nicotinamide adenine dinucleotide, 2129

Nicotinamide adenine dinucleotide  
 phosphate-adenosine-5'-triphosphate  
 mixture, 2129

Nicotine, 5057  
 polacrilex, 5061  
 polacrilex gum, 5063  
 transdermal system, 5059

Nicotinic acid, 2129

Nifedipine, 5064  
 capsules, 5065  
 extended-release tablets, 5067, 8742

Nile blue hydrochloride, 2163

Nimodipine, 5072

Ninhydrin, 2129  
 TS, 2173

Nitrate  
 mercurous, dihydrate, 2125  
 mercurous, TS, 2172  
 ophthalmic solution, silver, 5842  
 in reagents, 2083  
 silver, 2144, 5842  
 silver, TS, 2175  
 tenth-normal (0.1 N), silver, 2183  
 toughened silver, 5843

Nitric  
 acid, 2129, 7416  
 acid, diluted, 2129  
 acid, fuming, 2129  
 acid, lead-free, 2130  
 oxide-nitrogen dioxide detector tube,  
 2130

Nitric Acid  
 0.01 N TS, 8457  
 0.2 N TS, 8457  
 1 N TS, 8457  
 2 N TS, 8457

Nitrotriacetic acid, 2130

Nitrite titration (451), 336

4'-Nitroacetophenone, 2130

o-Nitroaniline, 2130

p-Nitroaniline, 2130  
 TS, 2173

Nitrobenzene, 2130

p-Nitrobenzenediazonium tetrafluoroborate,  
 2130

4-Nitrobenzoic acid, 2130

p-Nitrobenzyl bromide, 2130

4-(p-Nitrobenzyl) pyridine, 2130

Nitrofurantoin, 5073  
 capsules, 5074  
 oral suspension, 5078  
 tablets, 5079

Nitrofurazone, 5080  
 ointment, 5080  
 topical solution, 5081

Nitrogen, 7417  
 97 percent, 7417  
 certified standard, 2130  
 compounds in reagents, 2083  
 determination (461), 337  
 N 13 injection, ammonia, 5081

Nitroglycerin  
 diluted, 5082  
 injection, 5083  
 ointment, 5084  
 sublingual tablets, 5084

Nitromersol, 5085  
 topical solution, 5086

Nitromethane, 2130

5-Nitro-1,10-phenanthroline, 2130

Nitrophenanthroline TS, 2173

1-Nitroso-2-naphthol, 2130

Nitroso R salt, 2130

Nitrous  
 oxide, 5086  
 oxide certified standard, 2131

Nizatidine, 5087  
 capsules, 5088

Nomenclature (1121), 1375

Nonadecane, 2131

Nonanoic acid, 2131

Nonionic wetting agent, 2131

Nonoxynol 9, 2131, 5089

1-Nonyl alcohol, 2131

n-Nonylamine, 2131

Nonylphenol polyoxyethylene ether, 2131

Nonylphenoxypoly(ethyleneoxy)ethanol,  
 2131

Norelgestromin, 5091

Norepinephrine bitartrate, 5093  
 injection, 5093  
 and propoxycaïne and procaine  
 hydrochlorides injection, 5578

Norethindrone, 5094  
 acetate, 5098  
 acetate and estradiol tablets, 3785  
 acetate and ethinyl estradiol tablets, 5100  
 acetate tablets, 5099  
 and ethinyl estradiol tablets, 5096  
 and mestranol tablets, 5097  
 tablets, 5095

Norfloxacin, 5101  
 ophthalmic solution, 5102  
 tablets, 5103

Norgestimate, 5104  
 and ethinyl estradiol tablets, 5106

Norgestrel, 5107  
 and ethinyl estradiol tablets, 5108  
 tablets, 5108

Normal  
 butyl acetate, 2097  
 butyl alcohol, 2131  
 butylamine, 2131

Northern schisandra fruit, 6832  
 dry extract, 8533  
 powder, 6833

Nortriptyline hydrochloride, 5109  
 capsules, 5110  
 oral solution, 5111

Noscapine, 5112

Novobiocin  
 sodium, 5112  
 sodium intramammary infusion, 5113  
 sodium and penicillin G procaine  
 intramammary infusion, 5316  
 sodium, tetracycline hydrochloride, and  
 prednisolone tablets, 6089  
 sodium and tetracycline hydrochloride  
 tablets, 6089

Nuclear magnetic resonance spectroscopy  
 (761), 580

Nucleic acid-based techniques  
 amplification (1127), 1393

approaches for detecting trace nucleic  
 acids (residual DNA testing) (1130),  
 1413, 8359  
 extraction, detection, and sequencing  
 (1126), 1383  
 general (1125), 1377  
 genotyping (1129), 1409  
 microarray (1128), 1403

Nystatin, 5113  
 cream, 5114  
 lotion, 5114  
 lozenges, 5114  
 neomycin sulfate, gramicidin, and  
 triamcinolone acetonide cream, 5117  
 neomycin sulfate, gramicidin, and  
 triamcinolone acetonide ointment, 5117  
 neomycin sulfate, thiostrepton, and  
 triamcinolone acetonide cream, 5118  
 neomycin sulfate, thiostrepton, and  
 triamcinolone acetonide ointment, 5118  
 ointment, 5115  
 and oxytetracycline capsules, 5238  
 and oxytetracycline for oral suspension,  
 5239  
 topical powder, 5115  
 oral suspension, 5115  
 for oral suspension, 5116  
 tablets, 5116  
 and tetracycline hydrochloride capsules,  
 6090  
 and triamcinolone acetonide cream, 5119  
 and triamcinolone acetonide ointment,  
 5119  
 vaginal inserts, 5116  
 vaginal suppositories, 5115

**O**

n-Octadecane, 2131

Octadecyl silane, 2131

Octanesulfonic acid sodium salt, 2131

1-Octanol, 2131

Octanophenone, 2131

Octinoxate, 5121

Octisalate, 5121

Octocrylene, 5122

Octoxynol 9, 2131, 7418

Octreotide acetate, 8748

Octyldodecanol, 7421  
 (p-tert-Octylphenoxy)nonaethoxyethanol,  
 2131  
 (p-tert-Octylphenoxy)polyethoxyethanol,  
 2131

Octyl sulfate, sodium salt, 2131

Odorless absorbent paper, 2131

Officers (2015–2020), xi, 7615, 8201

Ofloxacin, 5122  
 ophthalmic solution, 5124  
 tablets, 5124

**Oil**

Almond, 7149

Anise, 7163

Borage seed, 6516

Borage seed, capsules, 6516

Canola, 7202

Caraway, 7205

Cardamom, 7226

**Oil** (continued)

Castor, 2968  
 Castor, aromatic, 2970  
 Castor, capsules, 2969  
 Castor, emulsion, 2970  
 Castor, hydrogenated, 7229  
 Cedar, 2101  
 Clove, 7250  
 Coconut, 7252  
 Coconut, hydrogenated, 7252  
 Cod liver, 3276  
 Cod liver, capsules, 6574  
 Coriander, 7255  
 Corn, 7256  
 Cottonseed, 7265  
 Cottonseed, hydrogenated, 7265  
*Cryptocodinium cohnii*, 6578  
*Cryptocodinium cohnii*, capsules, 6580  
 Ethiodized injection, 3816  
 Evening primrose, 6617  
 Evening primrose, capsules, 6617  
 Fats and fixed oils (401), 301  
 Fennel, 7305  
 Flax seed, 6635  
 Flax seed, capsules, 6635  
 Krill, capsules, 6721  
 Krill delayed-release capsules, 6724  
 Lemon, 7373  
 Mineral, 4885  
 Mineral emulsion, 4886  
 Mineral, light, 7408  
 Mineral, rectal, 4886  
 Mineral, topical light, 4887  
 Olive, 7426  
 Orange, 7429  
 Palm, 7431  
 Palm, hydrogenated, 7432  
 Palm kernel, 7433  
 Peanut, 7436  
 Peppermint, 7437  
 Polyoxyl 35 castor, 7470  
 Polyoxyl 40 hydrogenated castor, 7470  
 Propylidone injectable suspension, 5598  
 Fully hydrogenated rapeseed, 7504  
 Superglycerinated fully hydrogenated rapeseed, 7504  
 Rose, 7506  
 Safflower, 5776  
 Schizochytrium, 6835, 8539  
 Schizochytrium, capsules, 6837  
 Sesame, 7508  
 Soybean, 5901  
 Soybean, hydrogenated, 7541  
 Sunflower, 7585  
 Vegetable, hydrogenated, 7599  
 Vitamins capsules, oil- and water-soluble, 6927  
 Vitamins capsules, oil-soluble, 6884  
 Vitamins with minerals capsules, oil- and water-soluble, 6974  
 Vitamins with minerals oral solution, oil- and water-soluble, 7001  
 Vitamins with minerals tablets, oil- and water-soluble, 7014  
 Vitamins oral solution, oil- and water-soluble, 6946  
 Vitamins tablets, oil- and water-soluble, 6956  
 Vitamins tablets, oil-soluble, 6893

---

Oil-soluble vitamins  
 capsules, 6884  
 tablets, 6893

Oil- and water-soluble vitamins  
 capsules, 6927  
 with minerals capsules, 6974  
 with minerals oral solution, 7001  
 with minerals tablets, 7014  
 oral solution, 6946  
 tablets, 6956

**Ointment**

Acyclovir, 2341  
 Alclometasone dipropionate, 2360  
 Amcinonide, 2455  
 Amphoteracin B, 2534  
 Anthralin, 2562  
 Atropine sulfate ophthalmic, 2640  
 Bacitracin ophthalmic, 2672  
 Bacitracin zinc, 2676  
 Bacitracin zinc and polymyxin B sulfate, 2676  
 Bacitracin zinc and polymyxin B sulfate ophthalmic, 2677  
 Benzocaine, 2709  
 Benzocaine, butamben, and tetracaine hydrochloride, 2715  
 Benzoic and salicylic acids, 2719  
 Betamethasone dipropionate, 2743  
 Betamethasone valerate, 2748  
 Bland lubricating ophthalmic, 5159  
 Calcipotriene, 2852  
 Chloramphenicol and polymyxin B sulfate ophthalmic, 3089  
 Chloramphenicol ophthalmic, 3085  
 Chlortetracycline hydrochloride, 3133  
 Chlortetracycline hydrochloride ophthalmic, 3133  
 Ciprofloxacin ophthalmic, 3163  
 Clioquinol, 3219  
 Clioquinol and hydrocortisone, 3221  
 Clobetasol propionate, 3224  
 Coal tar, 3271  
 Desoximetasone, 3394  
 Dexamethasone sodium phosphate ophthalmic, 3409  
 Dibucaine, 3450  
 Diflorasone diacetate, 3485  
 Erythromycin, 3747  
 Erythromycin ophthalmic, 3748  
 Fluocinolone acetonide, 3954  
 Fluocinonide, 3957  
 Flurandrenolide, 3990  
 Fluticasone propionate, 4013  
 Gentamicin and prednisolone acetate ophthalmic, 4109  
 Gentamicin sulfate, 4104  
 Gentamicin sulfate and betamethasone valerate, 4106  
 Gentamicin sulfate ophthalmic, 4105  
 Halcinonide, 4178  
 Hydrocortisone, 4221  
 Hydrocortisone acetate, 4226  
 Hydrocortisone acetate ophthalmic, 4226  
 Hydrocortisone valerate, 4235  
 Hydrophilic, 5126  
 Ichthammol, 4274  
 Idoxuridine ophthalmic, 4277  
 Lidocaine, 4560  
 Methylbenzethonium chloride, 4813  
 Mometasone furoate, 4923  
 Mupirocin, 4955  
 Mupirocin nasal, 4956  
 Neomycin and polymyxin B sulfates and bacitracin, 5025  
 Neomycin and polymyxin B sulfates, bacitracin, and hydrocortisone acetate, 5026  
 Neomycin and polymyxin B sulfates, bacitracin, and hydrocortisone acetate ophthalmic, 5026  
 Neomycin and polymyxin B sulfates, bacitracin, and lidocaine, 5027  
 Neomycin and polymyxin B sulfates and bacitracin ophthalmic, 5025  
 Neomycin and polymyxin B sulfates and bacitracin zinc, 5028  
 Neomycin and polymyxin B sulfates, bacitracin zinc, and hydrocortisone, 5029  
 Neomycin and polymyxin B sulfates, bacitracin zinc, and hydrocortisone acetate ophthalmic, 5030  
 Neomycin and polymyxin B sulfates, bacitracin zinc, and hydrocortisone ophthalmic, 5029  
 Neomycin and polymyxin B sulfates, bacitracin zinc, and lidocaine, 5031  
 Neomycin and polymyxin B sulfates and bacitracin zinc ophthalmic, 5028  
 Neomycin and polymyxin B sulfates and dexamethasone ophthalmic, 5032  
 Neomycin and polymyxin B sulfates ophthalmic, 5024  
 Neomycin sulfate, 5011  
 Neomycin sulfate and bacitracin, 5012  
 Neomycin sulfate and bacitracin zinc, 5013  
 Neomycin sulfate and dexamethasone sodium phosphate ophthalmic, 5014  
 Neomycin sulfate and fluorometholone, 5016  
 Neomycin sulfate and flurandrenolide, 5018  
 Neomycin sulfate and gramicidin, 5018  
 Neomycin sulfate and hydrocortisone, 5018  
 Neomycin sulfate and hydrocortisone acetate, 5020  
 Neomycin sulfate, isoflupredone acetate, and tetracaine hydrochloride, 5021  
 Neomycin sulfate ophthalmic, 5011  
 Nitrofurazone, 5080  
 Nitroglycerin, 5084  
 Nystatin, 5115  
 Nystatin, neomycin sulfate, gramicidin, and triamcinolone acetonide, 5117  
 Nystatin, neomycin sulfate, thiostrepton, and triamcinolone acetonide, 5118  
 Nystatin and triamcinolone acetonide, 5119  
 Oxytetracycline hydrochloride and hydrocortisone, 5243  
 Oxytetracycline hydrochloride and polymyxin B sulfate, 5243  
 Oxytetracycline hydrochloride and polymyxin B sulfate ophthalmic, 5244  
 Polyethylene glycol, 7456  
 Povidone-iodine, 5484  
 Prednicarbate, 5501  
 Resorcinol ointment, compound, 5690  
 Rose water, 5765  
 Sodium chloride ophthalmic, 5868  
 Sulfacetamide sodium ophthalmic, 5934  
 Sulfacetamide sodium and prednisolone acetate ophthalmic, 5937  
 Sulfur, 5967  
 Tetracaine, 6071  
 Tetracaine and menthol, 6072  
 Tetracycline hydrochloride, 6084

**Ointment** (continued)

Tetracycline hydrochloride ophthalmic, 6085  
 Tobramycin and dexamethasone ophthalmic, 6176  
 Tobramycin ophthalmic, 6172  
 Triamcinolone acetonide, 6238  
 Undecylenic acid, compound, 6301  
 White, 5126  
 Yellow, 5126  
 Zinc oxide, 6427

---

Olanzapine, 5126  
 and fluoxetine capsules, 5129  
 tablets, 5128, 8749  
 Olanzapine orally disintegrating tablets, 5131  
 Olefin detector tube, 2131  
 Oleic acid, 7422  
 Oleoresin, capsicum, 2906  
 Oleovitamin A and D, 5133  
 capsules, 5134  
 Oleoyl polyoxylglycerides, 7423  
 Oleyl  
 alcohol, 7424  
 oleate, 7426  
 Oligo-deoxythymidine, 2131  
 Oligosaccharide analysis (212), 249, 8307  
 Olive oil, 7426  
 Olmesartan medoxomil, 5134  
 Olopatadine hydrochloride ophthalmic solution, 5137  
 Omega-3  
 acids triglycerides, 6784  
 ethyl esters capsules, 5141, 8755  
 ethyl esters, 5138, 8752  
 Omeprazole, 5143  
 delayed-release capsules, 5145  
 magnesium, 5148  
 oral suspension, 5147  
 Ondansetron, 5149  
 hydrochloride, 5150  
 hydrochloride oral suspension, 5152, 8758  
 injection, 5153  
 oral solution, 5154  
 tablets, 5155  
 orally disintegrating tablets, 5158

**Ophthalmic ointment**

Atropine sulfate, 2640  
 Bacitracin, 2672  
 Bacitracin zinc and polymyxin B sulfate, 2677  
 Bland lubricating, 5159  
 Chloramphenicol, 3085  
 Chloramphenicol and polymyxin B sulfate, 3089  
 Chlortetracycline hydrochloride, 3133  
 Ciprofloxacin, 3163  
 Dexamethasone sodium phosphate, 3409  
 Erythromycin, 3748  
 Gentamicin and prednisolone acetate, 4109  
 Gentamicin sulfate, 4105  
 Hydrocortisone acetate, 4226  
 Idoxuridine, 4277  
 Neomycin and polymyxin B sulfates, 5024  
 Neomycin and polymyxin B sulfates and bacitracin, 5025

Neomycin and polymyxin B sulfates, bacitracin, and hydrocortisone acetate, 5026  
 Neomycin and polymyxin B sulfates and bacitracin zinc, 5028  
 Neomycin and polymyxin B sulfates, bacitracin zinc, and hydrocortisone, 5029  
 Neomycin and polymyxin B sulfates, bacitracin zinc, and hydrocortisone acetate, 5030  
 Neomycin and polymyxin B sulfates and dexamethasone, 5032  
 Neomycin sulfate, 5011  
 Neomycin sulfate and dexamethasone sodium phosphate, 5014  
 Oxytetracycline hydrochloride and polymyxin B sulfate, 5244  
 Sodium chloride, 5868  
 Sulfacetamide sodium, 5934  
 Sulfacetamide sodium and prednisolone acetate, 5937  
 Tetracycline hydrochloride, 6085  
 Tobramycin, 6172  
 Tobramycin and dexamethasone, 6176

---

Ophthalmic products—performance tests (1771), 1950  
 Ophthalmic products—quality tests (771), 589, 8327

**Ophthalmic solution**

Acetylcholine chloride for, 2332  
 Apraclonidine, 2579  
 Atropine sulfate, 2641  
 Benoxinate hydrochloride, 2700  
 Betaxolol, 2749  
 Carbachol, 2914  
 Carteolol hydrochloride, 2957  
 Cefazolin, 2987  
 Chloramphenicol, 3086  
 Chloramphenicol for, 3087  
 Chymotrypsin for, 3146  
 Ciprofloxacin, 3164  
 Cromolyn sodium, 3323, 8032  
 Cyclopentolate hydrochloride, 3338  
 Cyclosporine compounded, veterinary, 3350  
 Demecarium bromide, 3377  
 Dexamethasone sodium phosphate, 3411  
 Dipivefrin hydrochloride, 3541  
 Dorzolamide hydrochloride, 3590  
 Dorzolamide hydrochloride and timolol maleate, 3591  
 Echothiophate iodide for, 3650  
 Emedastine, 3679  
 Epinephrine, 3714  
 Epinephrine bitartrate, 3716  
 Epinephrine bitartrate for, 3717  
 Epinephryl borate, 3717  
 Fluorescein sodium and benoxinate hydrochloride, 3962  
 Fluorescein sodium and proparacaine hydrochloride, 3963  
 Flurbiprofen sodium, 3995  
 Gentamicin sulfate, 4105  
 Gentamicin sulfate and betamethasone acetate, 4106  
 Glycerin, 4134  
 Homatropine hydrobromide, 4200

Hydroxyamphetamine hydrobromide, 4247  
 Hypromellose, 4265  
 Idoxuridine, 4278  
 Levobunolol hydrochloride, 4534  
 Methylcellulose, 4815  
 Moxifloxacin, 4949  
 Naphazoline hydrochloride, 4991  
 Naphazoline hydrochloride and pheniramine maleate, 4991  
 Neomycin and polymyxin B sulfates, 5024  
 Neomycin and polymyxin B sulfates and gramicidin, 5034  
 Neomycin sulfate and dexamethasone sodium phosphate, 5015  
 Norfloxacin, 5102  
 Ofloxacin, 5124  
 Olopatadine hydrochloride, 5137  
 Oxymetazoline hydrochloride, 5232  
 Phenylephrine hydrochloride, 5380  
 Physostigmine salicylate, 5396  
 Pilocarpine hydrochloride, 5402  
 Pilocarpine nitrate, 5404  
 Polymyxin B sulfate and trimethoprim, 5447  
 Prednisolone sodium phosphate, 5511  
 Proparacaine hydrochloride, 5573  
 Scopolamine hydrobromide, 5814  
 Silver nitrate, 5842  
 Sodium chloride, 5869  
 Sulfacetamide sodium, 5935  
 Suprofen, 5978  
 Tetracaine hydrochloride, 6076  
 Tetrahydrozoline hydrochloride, 6091  
 Timolol maleate, 6159  
 Tobramycin, 6175  
 Travoprost, 6226  
 Tropicamide, 6286  
 Voriconazole compounded, veterinary, 6384  
 Zinc sulfate, 6430

**Ophthalmic suspension**

Brinzolamide, 2789  
 Chloramphenicol and hydrocortisone acetate for, 3088  
 Dexamethasone, 3401  
 Fluorometholone, 3967, 8067  
 Gentamicin and prednisolone acetate, 4110  
 Hydrocortisone acetate, 4227  
 Natamycin, 5004  
 Neomycin and polymyxin B sulfates and dexamethasone, 5033  
 Neomycin and polymyxin B sulfates and hydrocortisone, 5035  
 Neomycin and polymyxin B sulfates and hydrocortisone acetate, 5036  
 Neomycin and polymyxin B sulfates and prednisolone acetate, 5038  
 Neomycin sulfate and hydrocortisone acetate, 5020  
 Neomycin sulfate and prednisolone acetate, 5039  
 Oxytetracycline hydrochloride and hydrocortisone acetate, 5242  
 Prednisolone acetate, 5506  
 Rimexolone, 5714, 8143  
 Sulfacetamide sodium and prednisolone acetate, 5938

**Ophthalmic suspension** (continued)

Tetracycline hydrochloride, 6087  
 Tobramycin and dexamethasone, 6178  
 Tobramycin and fluorometholone acetate, 6179

Opium, 5159  
 powdered, 5160  
 tincture, 5160

Optical  
 microscopy (776), 595  
 rotation (781), 597

Oracet blue B, 2163  
 TS, 2173

Oral drug products—product quality tests (2), 76, 8279

Orally inhaled and nasal drug products (1664.1), 1862

**Oral powder**

Containing at least three of the following—acetaminophen and (salts of) chlorpheniramine, dextromethorphan, and pseudoephedrine, 2306  
 Levothyroxine sodium, 4557  
 Sodium bicarbonate, 5861

**Oral solution**

Abacavir, 2281  
 Acacia syrup, 7137  
 Acetaminophen, 2296  
 Containing at least three of the following—acetaminophen and (salts of) chlorpheniramine, dextromethorphan, and pseudoephedrine, 2308  
 Acetaminophen and codeine phosphate, 2315  
 Acetaminophen, dextromethorphan hydrobromide, doxylamine succinate, and pseudoephedrine hydrochloride, 2318  
 Acetaminophen for effervescent, 2297  
 Amantadine hydrochloride, 2453  
 Aminobenzoate potassium for, 2467  
 Aminocaproic acid, 2471  
 Aminophylline, 2481  
 Amprolium, 2549  
 Aromatic elixir, 7163  
 Ascorbic acid, 2599  
 Aspirin effervescent tablets for, 2609  
 Atenolol, 2621, 8582  
 Beclomethasone dipropionate compounded, 2690  
 Benzaldehyde elixir, compound, 7172  
 Betamethasone, 2735  
 Bethanechol chloride, 2753, 8585  
 Bromodiphenhydramine hydrochloride, 2795  
 Bromodiphenhydramine hydrochloride and codeine phosphate, 2795  
 Brompheniramine maleate, 2798  
 Brompheniramine maleate and pseudoephedrine sulfate, 2799  
 Butabarbital sodium, 2825  
 Caffeine citrate, 2846  
 Calcium glubionate syrup, 2875  
 Captopril, 2910, 8587

C 13 for, urea, 2935  
 Cetirizine hydrochloride, 3072  
 Cherry syrup, 7242  
 Chloral hydrate, 3082  
 Chloramphenicol, 3087  
 Chlorpheniramine maleate, 3124  
 Chlorpheniramine maleate and pseudoephedrine hydrochloride, 3126  
 Chlorpromazine hydrochloride syrup, 3129  
 Chocolate syrup, 7248  
 Citalopram, 3180  
 Clindamycin hydrochloride, 3211  
 Clindamycin palmitate hydrochloride for, 3212  
 Cloxacillin sodium for, 3268  
 Cyanocobalamin Co 57, 3272  
 Codeine phosphate, 3280, 8603  
 Codeine sulfate, 3282  
 Cyclosporine, 3349  
 Cyproheptadine hydrochloride, 3352  
 Dexamethasone, 3401  
 Dexamethasone elixir, 3399  
 Dexbrompheniramine maleate and pseudoephedrine sulfate, 3413  
 Dexchlorpheniramine maleate, 3415  
 Dextromethorphan hydrobromide, 3434  
 Dicyclomine hydrochloride, 3471  
 Didanosine for, 3475  
 Digoxin, 3493  
 Dihydrotachysterol, 3499  
 Diltiazem hydrochloride, 3509, 8625  
 Dimenhydrinate, 3513  
 Diphenhydramine hydrochloride, 3530  
 Diphenoxylate hydrochloride and atropine sulfate, 3538  
 Docusate sodium syrup, 3574  
 Dolasetron mesylate, 3579, 8637  
 Doxepin hydrochloride, 3601  
 Doxylamine succinate, 3624  
 Dyphylline, 3644  
 Dyphylline and guaifenesin, 3645  
 Ephedrine sulfate, 3711  
 Ergocalciferol, 3727  
 Ergoloid mesylates, 3731  
 Escitalopram, 3764  
 Ethosuximide, 3821  
 Ferric ammonium citrate for, 2511  
 Ferrous gluconate, 3886  
 Ferrous sulfate, 3889  
 Ferrous sulfate syrup, 3890  
 Fluoxetine, 3975  
 Fluphenazine hydrochloride, 3986  
 Fluphenazine hydrochloride elixir, 3984  
 Furosemide, 4061  
 Galantamine, 4083  
 Glycerin, 4135  
 Guaifenesin, 4164  
 Guaifenesin and codeine phosphate, 4165  
 Haloperidol, 4182  
 Hydralazine hydrochloride, 4207, 8675  
 Hydromorphone hydrochloride, 4241  
 Hydroxyzine hydrochloride, 4254  
 Hyoscyamine sulfate, 4262  
 Hyoscyamine sulfate elixir, 4261  
 Ipecac, 4383  
 Isoniazid, 4409  
 Isosorbide, 4423  
 Lamivudine, 4481  
 Levetiracetam, 4524  
 Levocarnitine, 4538  
 Levofloxacin, 4547  
 Lincomycin, 4571  
 Lithium, 4584  
 Loperamide hydrochloride, 4596  
 Lopinavir and ritonavir, 4600

Loratadine, 4612  
 Magnesium carbonate, citric acid, and potassium citrate for, 4649  
 Magnesium carbonate and citric acid for, 4648  
 Manganese chloride for, 4673  
 Magnesium citrate, 4652  
 Magnesium citrate for, 4653  
 Meperidine hydrochloride, 4724  
 Mesoridazine besylate, 4752  
 Metaproterenol sulfate, 4758  
 Methadone hydrochloride, 4779  
 Methdilazine hydrochloride, 4784  
 Methenamine, 4786  
 Methenamine mandelate for, 4790  
 Methylcellulose, 4816  
 Metoclopramide, 4846  
 Metoprolol tartrate, 4856, 8723  
 Mibolerone, 4875  
 Nafcillin sodium for, 4978  
 Neomycin sulfate, 5012  
 Nortriptyline hydrochloride, 5111  
 Ondansetron, 5154  
 Orange syrup, 7430  
 Oxacillin sodium for, 5182  
 Oxtriphylline, 5210  
 Oxybutynin chloride, 5215  
 Oxycodone hydrochloride, 5221  
 Paromomycin, 5282  
 Penicillin G potassium for, 5306  
 Penicillin V potassium for, 5323  
 Perphenazine, 5346  
 Phenobarbital, 5359  
 Piperazine citrate syrup, 5432  
 Polyethylene glycol 3350 and electrolytes for, 5441  
 Potassium bicarbonate effervescent tablets for, 5452  
 Potassium bicarbonate and potassium chloride for effervescent, 5452  
 Potassium bicarbonate and potassium chloride effervescent tablets for, 5452  
 Potassium bicarbonate, potassium chloride, and potassium citrate effervescent tablets for, 5462  
 Potassium bromide, veterinary, 5456, 8770  
 Potassium chloride, 5458  
 Potassium chloride for, 5459  
 Potassium citrate and citric acid, 5467  
 Potassium gluconate, 5469  
 Potassium gluconate and potassium chloride, 5470  
 Potassium gluconate and potassium chloride for, 5471  
 Potassium gluconate and potassium citrate, 5471  
 Potassium gluconate, potassium citrate, and ammonium chloride, 5472  
 Potassium iodide, 5474  
 Potassium and sodium bicarbonates and citric acid effervescent tablets for, 5453  
 Prednisolone, 5504  
 Prednisolone sodium phosphate compounded, 5510  
 Prednisone, 5514  
 Prochlorperazine, 5539  
 Promazine hydrochloride, 5553  
 Promazine hydrochloride syrup, 5554  
 Promethazine and phenylephrine hydrochloride, 5558  
 Promethazine and phenylephrine hydrochloride and codeine phosphate, 5561  
 Promethazine hydrochloride, 5556, 8787  
 Pseudoephedrine hydrochloride, 5605

**Oral solution** (*continued*)

Pseudoephedrine hydrochloride, carbinoxamine maleate, and dextromethorphan hydrobromide, 5608  
 Pyridostigmine bromide, 5621  
 Ranitidine, 5671  
 Reserpine, 5684  
 Risperidone, 5726  
 Ritonavir, 5738  
 Saccharin sodium, 5775  
 Senna, 5827  
 Sertraline hydrochloride, 5833  
 Sodium bromide, veterinary, 5863, 8821  
 Sodium citrate and citric acid, 5870  
 Sodium fluoride, 5873  
 Sodium phosphates, 5886  
 Stavudine for, 5916  
 Sulfaquinoxaline, 5959  
 Syrup, 7587  
 Terpin hydrate, 6062  
 Terpin hydrate and codeine, 6063  
 Theophylline, 6098, 8846  
 Theophylline and guaifenesin, 6103  
 Theophylline sodium glycinate, 6105  
 Thiamine hydrochloride, 6109  
 Thiamine mononitrate, 6112  
 Thioridazine hydrochloride, 6125  
 Thiothixene hydrochloride, 6132  
 Tolu balsam syrup, 7590  
 Triamcinolone diacetate, 6240  
 Tricitrates, 6252  
 Trifluoperazine, 6258  
 Trihexyphenidyl hydrochloride, 6266  
 Trikaes, 6267  
 Trimeprazine, 6268  
 Triprolidine hydrochloride, 6278  
 Triprolidine and pseudoephedrine hydrochlorides, 6280  
 Valproic acid, 6320  
 Vancomycin hydrochloride for, 6334  
 Vehicle for, 7428  
 Vehicle for, sugar free, 7429  
 Verapamil hydrochloride, 6350, 8858  
 Vigabatrin for, 6360  
 Vitamins with minerals, oil-soluble, 6911  
 Vitamins with minerals, oil- and water-soluble, 7001  
 Vitamins with minerals, water-soluble, 7085  
 Vitamins, oil-soluble, 6890  
 Vitamins, oil- and water-soluble, 6946  
 Zidovudine, 6414  
 Zinc acetate, 6420  
 Zinc sulfate, 6430

**Oral suspension**

Acetaminophen, 2298  
 Acetaminophen and codeine phosphate, 2316  
 Acetazolamide, 2326, 8572  
 Acyclovir, 2342  
 Albendazole, 2351  
 Allopurinol, 2380, 8572  
 Alprazolam, 2387, 8573  
 Alumina and magnesia, 2406  
 Alumina, magnesia, and calcium carbonate, 2408  
 Alumina, magnesia, and simethicone, 2412  
 Alumina and magnesium carbonate, 2415  
 Alumina and magnesium trisilicate, 2418  
 Amiodarone hydrochloride, 2492, 8575  
 Amlodipine, 2497, 8578

Amoxicillin, 2522  
 Amoxicillin and clavulanate potassium for, 2526  
 Amoxicillin for, 2523  
 Amoxicillin tablets for, 2524  
 Ampicillin for, 2543  
 Ampicillin and probenecid for, 2545  
 Atenolol compounded, 2622  
 Atenolol compounded, veterinary, 2622  
 Atovaquone, 2633  
 Azathioprine, 2649, 8583  
 Azithromycin for, 2661  
 Baclofen, 2679, 8585  
 Benazepril hydrochloride compounded, veterinary, 2697  
 Bethanechol chloride, 2754, 8586  
 Bismuth subsalicylate, 2779, 8587  
 Calcium carbonate, 2867  
 Calcium and magnesium carbonates, 2872  
 Captopril, 2910, 8588  
 Carbamazepine, 2916  
 Cefaclor for, 2973  
 Cefadroxil for, 2979  
 Cefdinir for, 2994  
 Cefixime for, 3002  
 Cefpodoxime proxetil for, 3030  
 Cefprozil for, 3035  
 Cefuroxime axetil for, 3049  
 Cellulose sodium phosphate for, 3055  
 Cephalixin for, 3058  
 Cephalixin tablets for, 3059  
 Cephadrine for, 3069  
 Chloramphenicol palmitate, 3090  
 Chloroquine phosphate, 3115, 8594  
 Chlorothiazide, 3118, 8595  
 Cholestyramine for, 3141  
 Cisapride compounded, veterinary, 3173  
 Clarithromycin for, 3195  
 Clavulanate potassium and amoxicillin for, 2526  
 Clonazepam, 3237, 8602  
 Clopidogrel compounded, 3249  
 Colestipol hydrochloride for, 3288  
 Colistin sulfate for, 3291  
 Dapsone, 3370, 8606  
 Demeclocycline, 3379  
 Diazoxide, 3448  
 Dicloxacillin sodium for, 3468  
 Didanosine tablets for, 3476  
 Diltiazem hydrochloride, 3510, 8625  
 Dipyridamole, 3544, 8627  
 Dolasetron mesylate, 3579, 8638  
 Doxycycline for, 3612  
 Doxycycline calcium, 3614  
 Doxycycline compounded, veterinary, 3615  
 Enalapril maleate, 3683, 8665  
 Enalapril maleate compounded, veterinary, 3683  
 Enrofloxacin compounded, veterinary, 3699  
 Erythromycin estolate, 3753  
 Erythromycin estolate for, 3753  
 Erythromycin estolate and sulfisoxazole acetyl, 3754  
 Erythromycin ethylsuccinate, 3757  
 Erythromycin ethylsuccinate for, 3757  
 Erythromycin ethylsuccinate and sulfisoxazole acetyl for, 3760  
 Famciclovir compounded, 3847  
 Famotidine for, 3851  
 Felbamate, 3855  
 Ferumoxsil, 3894  
 Flecainide acetate, 3918, 8668  
 Fluconazole for, 3932  
 Flucytosine, 3937, 8669  
 Furazolidone, 4058  
 Ganciclovir, 4093, 8672  
 Granisetron hydrochloride, 4154, 8673  
 Griseofulvin, 4160  
 Hydroxyzine pamoate, 4257  
 Ibuprofen, 4268  
 Indomethacin, 4312  
 Isradipine, 4443, 8701  
 Ketoconazole, 4462, 8702  
 Labetalol hydrochloride, 4474, 8703  
 Lamotrigine compounded, 4493  
 Lamotrigine tablets, 4491  
 Lansoprazole compounded, 4502  
 Lisinopril, 4580, 8708  
 Loracarbef for, 4609  
 Magaldrate, 4643  
 Magaldrate and simethicone, 4644  
 Magnesium carbonate and sodium bicarbonate for, 4649  
 Marbofloxacin compounded, veterinary, 4681  
 Mebendazole, 4684  
 Megestrol acetate, 4703  
 Meloxicam, 4710  
 Meprobamate, 4734  
 Methacycline hydrochloride, 4777  
 Methadone hydrochloride tablets for, 4780  
 Methenamine mandelate, 4790  
 Methyl dopa, 4817  
 Metolazone, 4849, 8722  
 Metoprolol tartrate, 4857, 8723  
 Metronidazole benzoate compounded, 4864  
 Minocycline hydrochloride, 4890  
 Mycophenolate mofetil for, 4961  
 Nalidixic acid, 4981  
 Naproxen, 4993  
 Naratriptan hydrochloride, 5003, 8740  
 Nevirapine, 5044  
 Nitrofurantoin, 5078  
 Nystatin, 5115  
 Nystatin for, 5116  
 Omeprazole, 5147  
 Ondansetron hydrochloride, 5152, 8758  
 Oxcarbazepine, 5202  
 Oxfenazole, 5207  
 Oxytetracycline and nystatin for, 5239  
 Oxytetracycline calcium, 5240  
 Pantoprazole, 5266  
 Penicillin G benzathine, 5301  
 Penicillin V for, 5320  
 Penicillin V benzathine, 5322  
 Pentoxifylline, 5336, 8764  
 Pergolide, veterinary, 5343, 8765  
 Phenobarbital, 5360, 8766  
 Phenoxybenzamine hydrochloride compounded, 5366  
 Phenytoin, 5385  
 Piroxicam compounded, 5437  
 Prednisolone compounded, veterinary, 5507  
 Primidone, 5524  
 Propoxyphene napsylate, 5586  
 Propylthiouracil, 5599, 8791  
 Psyllium hydrophilic mucilloid for, 5613  
 Pyrantel pamoate, 5616  
 Pyrazinamide, 5618, 8792  
 Pyrimethamine, 5627, 8793  
 Pyrvinium pamoate, 5630  
 Quinidine sulfate, 5649, 8794  
 Rifabutin, 5701, 8799  
 Rifampin, 5705, 8800  
 Sildenafil citrate, 5841, 8819  
 Simethicone, 5846

**Oral suspension** (continued)

Sodium phenylbutyrate, 5883, 8824  
 Sotalol hydrochloride, 5900, 8825  
 Spironolactone, 5906  
 Spironolactone and hydrochlorothiazide, 5907, 8825  
 Spironolactone compounded, 5905  
 Sulfadimethoxine, 5945  
 Sulfamethizole, 5950  
 Sulfamethoxazole, 5952  
 Sulfamethoxazole and trimethoprim, 5955, 8828  
 Sulfisoxazole acetyl, 5966  
 Sumatriptan succinate, 5976, 8830  
 Tacrolimus, 5990, 8840  
 Tadalafil compounded, 5994  
 Temozolomide, 6043, 8841  
 Terbinafine, 6050, 8841  
 Terbutaline, 6054, 8842  
 Tetracycline, 6079  
 Tetracycline hydrochloride, 6087, 8843  
 Theophylline, 6099, 8848  
 Thiabendazole, 6106  
 Thioridazine, 6124  
 Tiagabine hydrochloride, 6138, 8850  
 Topiramate compounded, 6204  
 Tramadol hydrochloride, 6209, 8850  
 Tramadol hydrochloride and acetaminophen, 6214, 8851  
 Tramadol hydrochloride compounded, veterinary, 6217  
 Triflupromazine, 6261  
 Trisulfapyrimidines, 6281  
 Ursodiol, 6304, 8856  
 Valacyclovir, 6307, 8856  
 Vehicle for, 7429  
 Verapamil hydrochloride, 6351, 8859  
 Zonisamide compounded, 6444

**Orange**

G, 2131  
 oil, 7429  
 peel tincture, sweet, 7430  
 spirit, compound, 7430  
 syrup, 7430  
 Orbifloxacin, 5161  
 tablets, 5162  
 Orcinol, 2132  
 Ordinary impurities <466>, 338  
 Organic  
 nitrogenous bases—identification <181>, 226  
 nitrogenous bases, salts of <501>, 357  
 Orlistat, 5163  
 capsules, 5166  
 Orphenadrine citrate, 5167, 8107  
 aspirin and caffeine tablets, 5172  
 injection, 5168  
 extended-release tablets, 5170  
 Orthophenanthroline, 2132  
 TS, 2173  
 Oseltamivir phosphate, 5175  
 capsules, 5176  
 Osmium tetroxide, 2132  
 Osmolality and osmolarity <785>, 599  
 Otic solution  
 acetic acid, 2328  
 antipyrine and benzocaine, 2573  
 antipyrine, benzocaine, and phenylephrine hydrochloride, 2574  
 benzocaine, 2711  
 chloramphenicol, 3087

gentamicin sulfate and betamethasone valerate, 4107  
 hydrocortisone and acetic acid, 4223  
 neomycin and polymyxin B sulfates and hydrocortisone, 5034  
 polymyxin B sulfate and hydrocortisone, 5447  
 Otic suspension  
 Ciprofloxacin and dexamethasone, 3168  
 Oxacillin  
 injection, 5180  
 for injection, 5181  
 sodium, 5178  
 sodium capsules, 5180  
 sodium for oral solution, 5182  
 Oxalic acid, 2132  
 tenth-normal (0.1 N), 2181  
 TS, 2173  
 Oxaliplatin, 5183  
 injection, 5187  
 for injection, 5189  
 Oxandrolone, 5191  
 tablets, 5193  
 Oxaprozin, 5195  
 tablets, 5196  
 Oxazepam, 5197  
 capsules, 5198  
 tablets, 5199  
 Oxcarbazepine, 5200  
 oral suspension, 5202  
 tablets, 5204, 8110  
 Oxfendazole, 5206  
 oral suspension, 5207  
 Oxidized cellulose, 3053  
 regenerated, 3053  
 Oxprenolol hydrochloride, 5207  
 tablets, 5208  
 extended-release tablets, 5209  
 Oxtriphylline, 5209  
 oral solution, 5210  
 tablets, 5210  
 delayed-release tablets, 5211, 8112  
 extended-release tablets, 5212  
 Oxybenzone, 5213  
 and dioxybenzone cream, 3521  
 Oxybutynin chloride, 5213  
 oral solution, 5215  
 tablets, 5215  
 tablets, extended-release, 5216  
 Oxycodone  
 and acetaminophen capsules, 5225  
 and acetaminophen tablets, 5227  
 and aspirin tablets, 5228  
 terephthalate, 5229  
 Oxycodone hydrochloride, 5219, 8113  
 oral solution, 5221  
 tablets, 5222  
 extended-release tablets, 5223  
 3,3'-Oxydipropionitrile, 2132  
 Oxygen, 5231  
 21 percent certified standard, 2132  
 93 percent, 5231  
 93 percent certified standard, 2132  
 certified standard, 2132  
 flask combustion <471>, 355  
 helium certified standard, 2132  
 Oxymetazoline hydrochloride, 5231, 8116  
 nasal solution, 5232  
 ophthalmic solution, 5232  
 Oxymetholone, 5233  
 tablets, 5233  
 Oxymorphone hydrochloride, 5234  
 injection, 5235, 8758  
 suppositories, 5236, 8760  
 tablets, 8761

extended-release tablets, 8763  
 Oxyquinoline sulfate, 7431  
 Oxytetracycline, 5237  
 calcium, 5239  
 calcium oral suspension, 5240  
 for injection, 5241  
 hydrochloride, 5240  
 hydrochloride capsules, 5241  
 hydrochloride and hydrocortisone acetate ophthalmic suspension, 5242  
 hydrochloride and hydrocortisone ointment, 5243  
 hydrochloride and polymyxin B sulfate ointment, 5243  
 hydrochloride and polymyxin B sulfate ophthalmic ointment, 5244  
 hydrochloride and polymyxin B sulfate topical powder, 5244  
 hydrochloride and polymyxin B sulfate vaginal inserts, 5245  
 hydrochloride soluble powder, 5242  
 injection, 5237  
 and nystatin capsules, 5238  
 and nystatin for oral suspension, 5239  
 tablets, 5238  
 Oxytocin, 5245  
 injection, 5246

**P**

P 32  
 solution, sodium phosphate, 5394  
 suspension, chromic phosphate, 5394  
 Package integrity and test method selection <1207.1>, 7772  
 Package integrity leak test technologies <1207.2>, 7784  
 Package seal quality test technologies <1207.3>, 7801  
 Packaging and repackaging—single unit containers <1136>, 1436  
 Packaging and storage requirements <659>, 479  
 Packings for high-pressure liquid chromatography, 2132  
 Paclitaxel, 5248  
 injection, 5250  
 Padimate O, 5251  
 lotion, 5252  
 Paliperidone, 5253  
 Palladium  
 catalyst, 2132  
 chloride, 2132  
 chloride TS, buffered, 2173  
 Palladous chloride, 2132  
 Pallida  
 echinacea, 6596  
 extract, powdered echinacea, 6601  
 powdered echinacea, 6598  
 Palm  
 oil, 7431  
 oil, hydrogenated, 7432  
 kernel oil, 7433  
 Palmitic acid, 7434  
 Palonosetron  
 hydrochloride, 8118  
 Pamabrom, 5254  
 Pamidronate disodium, 5255  
 for injection, 5256  
 Pancreatic digest of casein, 2132



- Pancreatin, 2132, 5257  
tablets, 5259
- Pancreatin (1025), 797
- Pancrelipase, 5260  
capsules, 5261  
delayed-release capsules, 5262  
tablets, 5262
- Pancuronium bromide, 5263  
injection, 5264
- Panthenol, 5265
- Pantoprazole  
oral suspension, 5266
- Pantoprazole sodium, 5267  
delayed-release tablets, 5269
- Papaic digest of soybean meal, 2132
- Papain, 5273  
tablets for topical solution, 5273
- Papaverine hydrochloride, 5274  
injection, 5275  
tablets, 5275
- Paper  
lead acetate, 2123  
odorless absorbent, 2132  
quantitative filter, 2141
- Para*-aminobenzoic acid, 2132
- Parachlorophenol, 5276  
camphorated, 5276
- Paraffin, 7434  
synthetic, 7435
- Paraformaldehyde, 2133
- Paraldehyde, 5277
- Paregoric, 5277
- Paricalcitol, 5278, 8120  
injection, 5279
- Paromomycin  
oral solution, 5282  
sulfate, 5282  
sulfate capsules, 5282
- Paroxetine  
hydrochloride, 5283  
tablets, 5286  
extended-release tablets, 5287, 8121
- Partially-neutralized methacrylic acid and ethyl acrylate copolymer, 7401
- Particle size distribution estimation by analytical sieving (786), 601
- Particulate matter in injections (788), 608
- Particulate matter in ophthalmic solutions (789), 611
- Peanut oil, 7436
- Pea starch, 7553
- Pectate lyase, 2133
- Pectin, 5290
- Penbutolol sulfate, 5292  
tablets, 5293
- Penicillamine, 5294  
capsules, 5296  
tablets, 5297
- Penicillin  
G benzathine, 5299  
G benzathine injectable suspension, 5300  
G benzathine and penicillin G procaine injectable suspension, 5302  
G benzathine oral suspension, 5301  
G benzathine tablets, 5302  
G, neomycin, polymyxin B, hydrocortisone acetate, and hydrocortisone sodium succinate topical suspension, 5298  
G potassium, 5304, 8125  
G potassium injection, 5304  
G potassium for injection, 5305  
G potassium for oral solution, 5306  
G potassium tablets, 5307  
G procaine, 5308  
G procaine, dihydrostreptomycin sulfate, chlorpheniramine maleate, and dexamethasone injectable suspension, 5313  
G procaine and dihydrostreptomycin sulfate injectable suspension, 5312  
G procaine and dihydrostreptomycin sulfate intramammary infusion, 5312  
G procaine, dihydrostreptomycin sulfate, and prednisolone injectable suspension, 5315  
G procaine injectable suspension, 5310  
G procaine for injectable suspension, 5311  
G procaine intramammary infusion, 5310  
G procaine, neomycin and polymyxin B sulfates, and hydrocortisone acetate topical suspension, 5315  
G procaine and novobiocin sodium intramammary infusion, 5316  
G procaine and penicillin G benzathine injectable suspension, 5302  
G sodium, 5317  
G sodium for injection, 5317  
V, 5319  
V benzathine, 5321  
V benzathine oral suspension, 5322  
V potassium, 5322, 8126  
V potassium for oral solution, 5323  
V potassium tablets, 5323  
V for oral suspension, 5320  
V tablets, 5320
- Penicillinase, 2133
- Pentadecane, 2133
- 1-Pentadecanol, 2133
- Pentafluoropropionic acid, 2133
- Pentamidine isethionate, 5324
- Pentane, 2133
- 1-Pentanesulfonic acid sodium salt, 2133
- 2-Pentanone, 2133
- Pentazocine, 5325  
and acetaminophen tablets, 5326  
and aspirin tablets, 5327  
hydrochloride, 5325  
injection, 5331  
and naloxone tablets, 5329
- Pentetic acid, 5331
- Pentobarbital, 5332  
sodium, 5333  
sodium injection, 5334
- Pentoxifylline, 5335  
oral suspension, 5336, 8764  
extended-release tablets, 5336
- People, xi, 7615, 8201
- Peppermint, 7436  
oil, 7437  
spirit, 5339  
water, 7438
- Pepsin, 2133  
purified, 2134
- Peptic digest of animal tissue, 2134
- Peptone, dried, 2134
- Perchloric acid, 2134  
tenth-normal (0.1 N) in dioxane, 2181  
tenth-normal (0.1 N) in glacial acetic acid, 2181  
TS, 2173
- Perflubron, 5339
- Perflutren protein-type A microspheres injectable suspension, 5340
- Pergolide  
mesylate, 5342  
oral suspension veterinary, 5343, 8765  
tablets, 5343
- Perindopril  
erbumine, 8127  
erbumine tablets, 8130
- Periodic acid, 2134
- Periodontal system  
minocycline, 4894
- Perphenazine, 5345  
and amitriptyline hydrochloride tablets, 5348  
injection, 5346  
oral solution, 5346  
syrup, 5347  
tablets, 5348
- Pertussis  
immune globulin, 5349
- Petrolatum, 5349  
hydrophilic, 5350  
white, 5350
- Petroleum benzin, 2134
- pH (791), 614, 7717
- Pharmaceutical calculations in pharmacy practice (1160), 1470
- Pharmaceutical compounding  
nonsterile preparations (795), 617  
sterile preparations (797), 626
- Pharmaceutical dosage forms (1151), 1445
- Phases for gas chromatography, 2134
- Phase-solubility analysis (1171), 1500
- Phenacetin, 2134
- 1,10-Phenanthroline, 2134
- o*-Phenanthroline monohydrochloride monohydrate, 2134
- Phenazopyridine hydrochloride, 5351  
tablets, 5352
- Phendimetrazine tartrate, 5352  
capsules, 5353  
tablets, 5354
- Phenelzine sulfate, 5355  
tablets, 5356
- Pheniramine maleate, 5357  
and naphazoline hydrochloride ophthalmic solution, 4991
- Phenmetrazine hydrochloride, 5357  
tablets, 5358
- Phenobarbital, 5359  
sodium, 5361  
sodium injection, 5361  
sodium for injection, 5362  
oral solution, 5359  
oral suspension, 5360, 8766  
tablets, 5360  
theophylline and ephedrine hydrochloride tablets, 6101
- Phenol, 2134, 5362  
alcohol TS, 2167  
topical gel, camphorated, 5363  
iron, TS, 2171  
liquefied, 5364  
red, 2163  
red, sodium, 2134  
red TS, 2173  
red TS, pH 4.7, 2173  
camphorated, topical solution, 5363  
TS, 2173
- Phenolated  
calamine topical suspension, 2849
- Phenoldisulfonic acid TS, 2173
- Phenolphthalein, 2163  
paper, 2164
- Phenolphthalein TS, 2174
- Phenolsulfonphthalein, 2134, 7438
- Phenoxybenzamine hydrochloride, 2134, 5364  
capsules, 5365
- Phenoxybenzamine hydrochloride compounded  
oral suspension, 5366

- 3-Phenoxybenzoic acid, 2134  
 2-Phenoxyethanol, 2134  
 Phenoxyethanol, 7439  
 Phensuximide, 5367  
   capsules, 5367  
 Phentermine hydrochloride, 5368  
   capsules, 5368  
   tablets, 5369  
 Phentolamine mesylate, 5370  
   for injection, 5371  
 Phenyl  
   ether, 2134  
   isocyanate, 2134  
 2-Phenylacetamide, 2135  
 Phenylalanine, 5372, 8456  
*dl*-Phenylalanine, 2135  
 Phenylbutazone, 5372  
   boluses, 5373  
   injection, 5374  
   tablets, 5374  
*p*-Phenylenediamine  
   dihydrochloride, 2135  
   hydrochloride, 2135  
*o*-Phenylenediamine dihydrochloride, 2135  
 Phenylephrine  
   bitartrate, 5375  
   bitartrate and isoproterenol hydrochloride  
   inhalation aerosol, 4417  
   Diphenhydramine hydrochloride tablets,  
   3533  
   hydrochloride, 5377  
   hydrochloride, antipyrine, and benzocaine  
   otic solution, 2574  
   hydrochloride and promethazine and  
   codeine phosphate oral solution, 5561  
   hydrochloride and promethazine oral  
   solution, 5558  
   hydrochloride injection, 5379  
   hydrochloride nasal jelly, 5379  
   hydrochloride nasal solution, 5380  
   hydrochloride ophthalmic solution, 5380  
   hydrochloride tablets, 5380  
 Phenylethyl alcohol, 5382  
 Phenylglycine, 2135  
 Phenylhydrazine, 2135  
   acetate TS, 2174  
   hydrochloride, 2135  
   sulfuric acid TS, 2174  
 Phenylmercuric  
   acetate, 7440  
   nitrate, 7441  
 Phenylmethylsulfonfyl fluoride, 2135  
 3-Phenylphenol, 2135  
 Phenylpropanolamine  
   hydrochloride, 5383  
 Phenyltoloxamine citrate, 5384  
 Phenytoin, 5384  
   chewable tablets, 5387  
   sodium, 5388  
   sodium capsules, extended, 5389  
   sodium capsules, prompt, 5392  
   sodium injection, 5392  
   oral suspension, 5385  
 pH indicator paper, short-range, 2164  
 Phloroglucinol, 2135  
   TS, 2174  
 Phloxine B, 2135  
 Phosphatase enzyme, alkaline, 2135  
 Phosphate  
   acidulated, and sodium fluoride topical  
   solution, 5874  
   buffer, 2166  
   diethylamine, 2108  
   P 32 solution, sodium, 5394  
   P 32 suspension, chromic, 5394  
   in reagents, 2083  
 Phosphatic enzyme, 2135  
   TS, 2174  
 Phosphomolybdic acid, 2135  
   TS, 2174  
 Phosphoric acid, 2135, 7441  
   diluted, 7442  
   and sodium fluoride gel, 5875  
   10% TS, 8457  
 Phosphorous acid, 2136  
 Phosphorus  
   pentoxide, 2136  
   red, 2136  
 Phosphotungstic acid, 2136  
   TS, 2174  
*o*-Phthalaldehyde, 2136  
 Phthalazine, 2136  
 Phthalic  
   acid, 2136  
   anhydride, 2136  
 Phthalimide, 2136  
*Phyllanthus amarus*, 6787  
   powdered, 6789  
 Physical environments that promote safe  
 medication use (1066), 1106  
 Physicochemical analytical procedures for  
 insulins (121.1), 195, 8304  
 Physicochemical integrators and indicators  
 for sterilization (1229.9), 7818  
 Physostigmine  
   salicylate, 5395  
   salicylate injection, 5396  
   salicylate ophthalmic solution, 5396  
 Phytonadione, 5397  
   injectable emulsion, 5397  
   tablets, 5398  
 2-Picoline, 2136  
 Picrate TS, alkaline, 2174  
 Picric acid, 2136  
   TS, 2174  
 Picrolonic acid, 2136  
 Pilocarpine, 5399  
   hydrochloride, 5401  
   hydrochloride ophthalmic solution, 5402  
   hydrochloride tablets, 5402  
   nitrate, 5404  
   nitrate ophthalmic solution, 5404  
   ocular system, 5400  
 Pimozide, 5405  
   tablets, 5406  
 Pindolol, 5407  
   tablets, 5408  
 Pioglitazone  
   and glimepiride tablets, 5412  
   hydrochloride, 5409  
   and metformin hydrochloride tablets, 5416  
   tablets, 5411  
 Pipemidic acid, 2136  
 Piperacillin, 5419  
   for injection, 5422  
   sodium, 5421  
   and tazobactam for injection, 5424, 8132  
 Piperazine, 2136, 5430  
   adipate, 5431  
   citrate, 5432  
   citrate syrup, 5432  
   citrate tablets, 5432  
   dihydrochloride, 5433  
   phosphate, 5433  
 Piperidine, 2136  
 Piroxicam, 5434  
   capsules, 5435  
   cream, 5436, 8767  
 Piroxicam compounded  
   oral suspension, 5437  
 Plantago seed, 5437  
 Plasma protein fraction, 5438  
 Plasma spectrochemistry (730), 562  
 Plasma spectrochemistry—theory and practice  
 (1730), 1881  
 Plastic materials of construction (661.1), 493  
 Plastic packaging systems and their materials  
 of construction (661), 492  
 Plastic packaging systems for pharmaceutical  
 use (661.2), 506  
 Platonic  
   chloride, 2136  
   chloride TS, 2174  
 Platinum  
   cobalt TS, 2174  
 Podophyllum, 5438  
   resin, 5439  
   resin topical solution, 5439  
 Polacrillin potassium, 7443  
 Polarography (801), 670  
 Policies, USP, xxxi  
 Poloxalene, 5440  
 Poloxamer, 7444  
 Polycarbophil, 5440  
   calcium, 2892  
 Polydecene  
   hydrogenated, 7446  
 Polydextrose, 7448  
   hydrogenated, 7450  
 Polydimethylsiloxane, viscosity 0.65  
 centistokes, 2136  
 Polyethylene  
   glycol, 7453, 8560  
   glycol 200, 2136  
   glycol 600, 2136  
   glycol 20,000, 2137  
   glycol 3350 and electrolytes for oral  
   solution, 5441  
   glycol monomethyl ether, 7456  
   glycol ointment, 7456  
   oxide, 7458  
 Polyethylene glycol 3350, 8768  
 Polyethylene glycol standards with  
 molecular weights of 1000, 2000,  
 3000, 4000, and 6000 daltons (g/mol),  
 8456  
 Polyglyceryl  
   3 diisostearate, 7462  
   dioleate, 7460  
 Polyisobutylene, 7463  
 Polymyxin B  
   for injection, 5445  
   and neomycin sulfates, bacitracin, and  
   hydrocortisone acetate ointment, 5026  
   and neomycin sulfates, bacitracin, and  
   hydrocortisone acetate ophthalmic  
   ointment, 5026  
   and neomycin sulfates, bacitracin, and  
   lidocaine ointment, 5027  
   and neomycin sulfates and bacitracin  
   ointment, 5025  
   and neomycin sulfates and bacitracin  
   ophthalmic ointment, 5025  
   and neomycin sulfates, bacitracin zinc, and  
   hydrocortisone acetate ophthalmic  
   ointment, 5030  
   and neomycin sulfates, bacitracin zinc, and  
   hydrocortisone ointment, 5029  
   and neomycin sulfates, bacitracin zinc, and  
   hydrocortisone ophthalmic ointment,  
   5029  
   and neomycin sulfates, bacitracin zinc, and  
   lidocaine ointment, 5031  
   and neomycin sulfates and bacitracin zinc  
   ointment, 5028

- Polymyxin B (*continued*)  
 and neomycin sulfates and bacitracin zinc ophthalmic ointment, 5028  
 and neomycin sulfates cream, 5023  
 and neomycin sulfates and dexamethasone ophthalmic ointment, 5032  
 and neomycin sulfates and dexamethasone ophthalmic suspension, 5033  
 and neomycin sulfates and gramidicin cream, 5033  
 and neomycin sulfates, gramidicin, and hydrocortisone acetate cream, 5034  
 and neomycin sulfates and gramidicin ophthalmic solution, 5034  
 and neomycin sulfates and hydrocortisone acetate cream, 5036  
 and neomycin sulfates and hydrocortisone acetate ophthalmic suspension, 5036  
 and neomycin sulfates and hydrocortisone ophthalmic suspension, 5035  
 and neomycin sulfates and hydrocortisone otic solution, 5034  
 and neomycin sulfates and hydrocortisone otic suspension, 5035  
 and neomycin sulfates and lidocaine cream, 5036  
 and neomycin sulfates ophthalmic ointment, 5024  
 and neomycin sulfates ophthalmic solution, 5024  
 and neomycin sulfates, penicillin G procaine, and hydrocortisone acetate topical suspension, 5315  
 and neomycin sulfates and pramoxine hydrochloride cream, 5037  
 and neomycin sulfates and prednisolone acetate ophthalmic suspension, 5038  
 and neomycin sulfates solution for irrigation, 5024  
 penicillin G, neomycin, hydrocortisone acetate, and hydrocortisone sodium succinate topical suspension, 5298  
 sulfate, 5443  
 sulfate and bacitracin topical aerosol, 2673  
 sulfate and bacitracin zinc topical aerosol, 5446  
 sulfate and bacitracin zinc ointment, 2676  
 sulfate and bacitracin zinc ophthalmic ointment, 2677  
 sulfate and bacitracin zinc topical powder, 5446  
 sulfate and chloramphenicol ophthalmic ointment, 3089  
 sulfate and hydrocortisone otic solution, 5447  
 sulfate and oxytetracycline hydrochloride ointment, 5243  
 sulfate and oxytetracycline hydrochloride ophthalmic ointment, 5244  
 sulfate and oxytetracycline hydrochloride topical powder, 5244  
 sulfate and oxytetracycline hydrochloride vaginal inserts, 5245  
 sulfate and trimethoprim ophthalmic solution, 5447
- Polyoxyethylene 10 lauryl ether, 2137  
 Polyoxyethylene (20) sorbitan monolaurate, 2137  
 Polyoxyethylene (23) lauryl ether, 2137  
 Polyoxyl  
 10 oleyl ether, 7464  
 15 hydroxystearate, 7465  
 20 cetostearyl ether, 7469  
 35 castor oil, 7470  
 40 hydrogenated castor oil, 7470
- lauryl ether, 7471  
 oleate, 7471  
 stearate, 7472  
 stearyl ether, 7473
- Polysaccharide molecular weight standards, 2137
- Polysorbate  
 20, 7474  
 40, 7475  
 60, 7476  
 80, 7476
- Polystyrene  
 cation-exchange resin, 2137
- Polytef, 2137
- Polyvinyl  
 acetate, 7479  
 acetate dispersion, 7481, 8563  
 acetate phthalate, 7482  
 alcohol, 2137, 5448  
 alcohol and ethylene glycol graft copolymer, 7299
- Porosimetry by mercury intrusion (267), 279  
 Porosity by nitrogen adsorption-desorption (268), 282
- Positron emission tomography drugs for compounding, investigational, and research uses (823), 686
- Potash, sulfurated, 5449
- Potassium  
 acetate, 2137, 5450  
 acetate injection, 5450  
 acetate TS, 2174  
 alginate, 7483  
 alum, 2137, 2405  
 arsenate monobasic, 2137  
 arsenite, tenth-normal (0.1 N), 2182  
 benzoate, 7484, 8565  
 bicarbonate, 2137, 5451  
 bicarbonate effervescent tablets for oral solution, 5452  
 bicarbonate and potassium chloride for effervescent oral solution, 5452  
 bicarbonate and potassium chloride effervescent tablets for oral solution, 5452  
 bicarbonate, potassium chloride, and potassium citrate effervescent tablets for oral solution, 5462  
 biphosphate, 2137  
 biphthalate, 2137  
 bismuth iodide TS, 2174  
 bisulfate, 2137  
 bitartrate, 5454  
 bromate, 2137  
 bromate, tenth-normal (0.1 N), 2182  
 bromide, 2137, 5455  
 bromide-bromate, tenth-normal (0.1 N), 2182  
 bromide oral solution, veterinary, 5456, 8770  
 carbonate, 2137, 5456  
 carbonate, anhydrous, 2137  
 carbonate TS, 2174  
 chlorate, 2137  
 chloride, 2137, 5456  
 chloride extended-release capsules, 5457  
 chloride in dextrose injection, 5460, 8771  
 chloride in dextrose and sodium chloride injection, 5461, 8772  
 chloride for injection concentrate, 5458  
 chloride in lactated Ringer's and dextrose injection, 5462, 8774  
 chloride, potassium bicarbonate, and potassium citrate effervescent tablets for oral solution, 5462
- chloride and potassium bicarbonate for effervescent oral solution, 5452  
 chloride and potassium bicarbonate effervescent tablets for oral solution, 5452  
 chloride and potassium gluconate oral solution, 5470  
 chloride and potassium gluconate for oral solution, 5471  
 chloride in sodium chloride injection, 5463, 8776  
 chloride oral solution, 5458  
 chloride for oral solution, 5459  
 chloride extended-release tablets, 5459  
 chloroplatinate, 2137  
 chromate, 2138  
 chromate TS, 2174  
 citrate, 5464  
 citrate and citric acid oral solution, 5467  
 citrate, magnesium carbonate, and citric acid for oral solution, 4649  
 citrate, potassium chloride, and potassium bicarbonate effervescent tablets for oral solution, 5462  
 citrate, potassium gluconate, and ammonium chloride oral solution, 5472  
 citrate and potassium gluconate oral solution, 5471  
 citrate tablets, 6790  
 citrate extended-release tablets, 5465  
 cyanide, 2138  
 dichromate, 2138  
 dichromate, tenth-normal (0.1 N), 2182  
 dichromate TS, 2174  
 ferricyanide, 2138  
 ferricyanide TS, 2174  
 ferricyanide, twentieth-molar (0.05 M), 2182  
 ferrocyanide, 2138  
 ferrocyanide TS, 2174  
 gluconate, 5468  
 gluconate and potassium chloride oral solution, 5470  
 gluconate and potassium chloride for oral solution, 5471  
 gluconate, potassium citrate, and ammonium chloride oral solution, 5472  
 gluconate and potassium citrate oral solution, 5471  
 gluconate oral solution, 5469  
 gluconate tablets, 5469  
 guaiacolsulfonate, 5472  
 hyaluronate, 2138  
 hydrogen sulfate, 2138  
 hydroxide, 2138, 7485  
 hydroxide, alcoholic, half-normal (0.5 N), 2182  
 hydroxide, alcoholic, tenth-molar (0.1 M), 2182  
 hydroxide, methanolic, tenth-normal (0.1 N), 2182  
 hydroxide, normal (1 N), 2182  
 hydroxide TS, 2174  
 hydroxide TS, alcoholic, 2174  
 hydroxide TS 2, alcoholic, 2174  
 hydroxide 2 N TS, 8457  
 iodate, 2138  
 iodate, twentieth-molar (0.05 M), 2182  
 iodide, 2138, 5473  
 iodide and iodine TS 1, 2171  
 iodide and iodine TS 2, 2171  
 iodide and iodine TS 3, 2171  
 iodide oral solution, 5474  
 iodide and starch TS, 2174  
 iodide tablets, 5474

Potassium (*continued*)

iodide delayed-release tablets, 5474  
 iodide TS, 2174  
 iodide 20% TS, 8457  
 iodoplatinate TS, 2174  
 metabisulfite, 2138, 7485  
 metaphosphate, 7486  
 nitrate, 2138, 5475  
 nitrate solution, 5476  
 nitrite, 2138  
 perchlorate, 2138, 5476  
 perchlorate capsules, 5477  
 periodate, 2138  
 permanganate, 2138, 5477  
 permanganate, tenth-normal (0.1 N), 2183  
 permanganate TS, 2174  
 persulfate, 2138  
 phosphate, dibasic, 2138, 5478  
 phosphate, dibasic, trihydrate, 2138  
 phosphate, monobasic, 2138, 7487  
 phosphate, tribasic, 2138  
 phosphates injection, 5479  
 pyroantimonate, 2138  
 pyroantimonate TS, 2174  
 pyrophosphate, 2138  
 pyrosulfate, 2138  
 and sodium bicarbonates and citric acid  
 effervescent tablets for oral solution,  
 5453  
 sodium tartrate, 2138, 5479  
 sorbate, 7488  
 sulfate, 2138  
 sulfate TS, 2174  
 tellurite, 2138  
 thiocyanate, 2139  
 thiocyanate, tenth-normal (0.1 N), 2183  
 thiocyanate TS, 2174  
 0.025 N potassium dichromate VS, 8458  
 Potato starch, 2139, 7558  
 Povidone, 5480, 8778  
 Povidone-iodine, 5483  
 topical aerosol, 5483  
 cleansing solution, 5484  
 ointment, 5484  
 topical solution, 5485

**Powder**

Absorbable dusting, 3640  
 Ampicillin soluble, 2542  
 Amprolium soluble, 2549  
 Astragalus root, 6482  
 Bacitracin methylene disalicylate soluble,  
 2673  
 Bacitracin zinc soluble, 2676  
 Banaba leaf, 6492  
 Chlortetracycline and sulfamethazine  
 bisulfates soluble, 3132  
 Chlortetracycline hydrochloride soluble,  
 3134  
 Compound cloquinol topical, 3220  
 Cromolyn sodium inhalation, 3320  
 Fenugreek seed, 6621  
 Fluticasone propionate and salmeterol,  
 inhalation, 4020  
 Fluticasone propionate inhalation, 4005  
 Ganoderma lucidum fruiting body, 6644  
 Iron, 2122  
 Levothyroxine sodium oral, 4557  
 Lincomycin hydrochloride soluble, 4573  
 Methylbenzethonium chloride topical,  
 4813  
 Miconazole nitrate topical, 4878

Neomycin sulfate, isoflupredone acetate,  
 and tetracaine hydrochloride topical,  
 5022  
 Northern schisandra fruit, 6833  
 Nystatin topical, 5115  
 Oral, containing at least three of the  
 following—acetaminophen and (salts of)  
 chlorpheniramine, dextromethorphan,  
 and pseudoephedrine, 2306  
 Oxytetracycline hydrochloride and  
 polymyxin B sulfate topical, 5244  
 Oxytetracycline hydrochloride soluble,  
 5242  
 Polymyxin B sulfate and bacitracin zinc  
 topical, 5446  
 Salmeterol inhalation, 5781  
 Sodium bicarbonate oral, 5861  
 Soy isoflavones, powdered extract, 6841  
 Sulfadimethoxine soluble, 5945  
 Tetracycline hydrochloride soluble, 6086  
 Tienchi ginseng root and rhizome, 6861  
 Tolnaftate topical, 6195

**Powdered**

American ginseng, 6453  
 American ginseng extract, 6455  
 andrographis, 6461  
 andrographis extract, 6463  
 ashwagandha root, 6467  
 ashwagandha root extract, 6469  
 Asian ginseng, 6472  
 Asian ginseng extract, 6473  
 bilberry extract, 6500  
 black cohosh, 6504  
 black cohosh extract, 6506  
 black pepper, 6513  
 black pepper extract, 6514  
 cat's claw, 6536  
 cat's claw extract, 6537  
 cellulose, 7235  
 Chinese salvia, 6560  
 digitalis, 3488, 8619  
*Echinacea angustifolia*, 6591  
*Echinacea angustifolia* extract, 6594  
*Echinacea pallida*, 6598  
*Echinacea pallida* extract, 6601  
*Echinacea purpurea*, 6607  
*Echinacea purpurea* extract, 6610  
 eleuthero, 6614  
 eleuthero extract, 6615  
 fenugreek seed, extract, 6623  
 feverfew, 6627  
 garlic, 6656  
 garlic extract, 6658  
 ginger, 6663, 7923  
 ginkgo extract, 6671  
 goldenseal, 6693, 7930  
 goldenseal extract, 6694, 7932  
 green tea extract, decaffeinated, 6697  
 gymnema, 6705  
 hawthorn leaf with flower, 6711  
 holy basil leaf, 6715  
 holy basil leaf extract, 6717  
 horse chestnut, 6556  
 horse chestnut extract, 6557  
 ipecac, 4382  
 licorice, 6728  
 licorice extract, 6729  
 Malabar-nut-tree, leaf, 6744  
 milk thistle, 6762  
 milk thistle extract, 6764  
 opium, 5160

*Phyllanthus amarus*, 6789  
 rauwolfia serpentina, 5676  
*Rhodiola rosea*, 6807  
*Rhodiola rosea* extract, 6809  
 rosemary, 6813  
 saw palmetto, 6825  
 St. John's wort, 6819  
 St. John's wort extract, 6821, 8537  
 stinging nettle, 6855  
 stinging nettle extract, 6857  
 turmeric, 6867  
 turmeric extract, 6868  
 valerian, 6874  
 valerian extract, 6876  
 zinc chloride, anhydrous, 2162

Powder fineness (811), 675  
 Powder flow (1174), 1502  
 Pralidoxime  
 chloride, 5485  
 chloride for injection, 5486  
 Pramipexole dihydrochloride, 5486  
 Pramoxine  
 hydrochloride, 5488  
 hydrochloride cream, 5489  
 hydrochloride jelly, 5490  
 hydrochloride and neomycin and  
 polymyxin B sulfates cream, 5037  
 Pravastatin sodium, 5490  
 tablets, 5492  
 Praziquantel, 5494  
 tablets, 5495  
 Prazosin hydrochloride, 5496  
 capsules, 5498  
 Prednicarbate, 5499  
 cream, 5500  
 ointment, 5501  
 Prednisolone, 5502  
 acetate, 5505  
 acetate and gentamicin ophthalmic  
 ointment, 4109  
 acetate and gentamicin ophthalmic  
 suspension, 4110  
 acetate injectable suspension, 5506  
 acetate and neomycin and polymyxin B  
 sulfates ophthalmic suspension, 5038  
 acetate and neomycin sulfate ophthalmic  
 suspension, 5039  
 acetate ophthalmic suspension, 5506  
 acetate and sulfacetamide sodium  
 ophthalmic ointment, 5937  
 acetate and sulfacetamide sodium  
 ophthalmic suspension, 5938  
 cream, 5503  
 hemisuccinate, 5507  
 penicillin G procaine, and  
 dihydrostreptomycin sulfate injectable  
 suspension, 5315  
 sodium phosphate, 5508  
 sodium phosphate injection, 5510  
 sodium phosphate ophthalmic solution,  
 5511  
 sodium succinate for injection, 5511  
 oral solution, 5504  
 tablets, 5504  
 tebutate, 5512  
 tebutate injectable suspension, 5513  
 tetracycline hydrochloride and novobiocin  
 sodium tablets, 6089  
 Prednisolone compounded oral suspension,  
 veterinary, 5507  
 Prednisolone sodium phosphate

- Prednisolone sodium phosphate compounded (*continued*) compounded oral solution, 5510
- Prednisone, 5513  
injectable suspension, 5515  
oral solution, 5514  
tablets, 5516
- Preface  
and mission, vii, 7611, 8197
- Pregnenolone acetate, 2139
- Preparation of biological specimens for histologic and immunohistochemical analysis (1285), 1805
- Prescription balances and volumetric apparatus (1176), 1507, 7758
- Prescription container labeling (17), 106, 7691
- Prilocaine, 5517  
and epinephrine injection, 5520  
hydrochloride, 5518  
hydrochloride injection, 5519  
and lidocaine cream, 4568
- Primaquine phosphate, 5521  
tablets, 5522
- Primidone, 5523  
oral suspension, 5524  
tablets, 5525
- Probenecid, 5526  
and ampicillin for oral suspension, 2545  
and colchicine tablets, 5527  
tablets, 5527
- Probutol, 5529  
tablets, 5530
- Procainamide hydrochloride, 5530  
capsules, 5531  
injection, 5532  
tablets, 5532  
extended-release tablets, 5533
- Procaine  
hydrochloride, 5534  
hydrochloride and epinephrine injection, 5536  
hydrochloride injection, 5535  
and propoxycaine hydrochlorides and levonordefrin injection, 5577  
and propoxycaine hydrochlorides and norepinephrine bitartrate injection, 5578  
and tetracaine hydrochlorides and levonordefrin injection, 5537
- Procarbazine hydrochloride, 5537  
capsules, 5538
- Prochlorperazine, 5538  
edisylate, 5540  
edisylate injection, 5541  
maleate, 5541  
maleate tablets, 5542, 8781  
oral solution, 5539  
suppositories, 5539
- Procyclidine hydrochloride, 5544  
tablets, 5544
- Products for nebulization—characterization tests (1601), 1811
- Progesterone, 5545  
injectable suspension, 5547  
injection, 5546  
intrauterine contraceptive system, 5546  
vaginal suppositories, 5548, 8782
- Proguanil hydrochloride, 5549
- Proline, 5551
- Promazine hydrochloride, 5552  
injection, 5553  
oral solution, 5553  
syrup, 5554  
tablets, 5554
- Promethazine  
and phenylephrine hydrochloride and codeine phosphate oral solution, 5561  
and phenylephrine hydrochloride oral solution, 5558
- Promethazine hydrochloride, 5554, 8784  
injection, 5555, 8785  
oral solution, 5556, 8787  
suppositories, 5556  
tablets, 5557, 8788
- Propafenone hydrochloride, 5564  
extended-release capsules, 5565  
tablets, 5568
- Propane, 7488
- Propanediol, 7489
- Propranolol hydrochloride, 5570  
tablets, 5571
- Proparacaine hydrochloride, 5572  
and fluorescein sodium ophthalmic solution, 3963  
ophthalmic solution, 5573
- Propellants (602), 449
- Propionaldehyde, 2139
- Propionic acid, 7491  
anhydride, 2139
- Propiophenone, 2139
- Propofol, 5573  
injectable emulsion, 5575
- Propoxycaine hydrochloride, 5577  
and procaine hydrochlorides and levonordefrin injection, 5577  
and procaine hydrochlorides and norepinephrine bitartrate injection, 5578
- Propoxyphene hydrochloride, 5579  
hydrochloride and acetaminophen tablets, 5582  
hydrochloride, aspirin, and caffeine capsules, 5583  
hydrochloride capsules, 5581  
napsylate, 5585  
napsylate and acetaminophen tablets, 5587  
napsylate and aspirin tablets, 5588  
napsylate oral suspension, 5586  
napsylate tablets, 5586
- Propranolol hydrochloride, 5590  
extended-release capsules, 5590  
and hydrochlorothiazide tablets, 5594  
injection, 5592  
tablets, 5593
- iso-Propyl alcohol, 2139
- n-Propyl alcohol, 2139
- Propyl gallate, 7492
- Propylamine hydrochloride, 2139
- Propylene carbonate, 7492  
glycol, 5595  
glycol alginate, 7493  
glycol dicaprylate/dicaprate, 7494  
glycol dilaurate, 7494  
glycol monocaprylate, 7495  
glycol monolaurate, 7496  
glycol monostearate, 7498
- Propylhexedrine, 5597  
inhalant, 5597
- Propylidone, 5597  
injectable oil suspension, 5598
- Propylparaben, 7499  
sodium, 7500
- Propylthiouracil, 5598  
oral suspension, 5599, 8791  
tablets, 5599
- Protamine sulfate, 5600  
injection, 5601, 8792
- Protein  
molecular weight standard, 2139  
standard solution (8 g/dL), 2139
- Protein A quality attributes (130), 210
- Protein determination procedures (507), 7712
- Protocatechuic acid, 2139
- Protriptyline hydrochloride, 5602  
tablets, 5603
- Pseudoephedrine  
chlorpheniramine, dextromethorphan (salts of), and acetaminophen, capsules containing at least three of the following, 2304  
chlorpheniramine, dextromethorphan (salts of), and acetaminophen, oral powder containing at least three of the following, 2306  
chlorpheniramine, dextromethorphan (salts of), and acetaminophen, oral solution containing at least three of the following, 2308  
chlorpheniramine, dextromethorphan (salts of) and acetaminophen, tablets containing at least three of the following, 2310  
and diphenhydramine capsules, 3536  
hydrochloride, 5604  
hydrochloride, acetaminophen, dextromethorphan hydrobromide, and doxylamine succinate oral solution, 2318  
hydrochloride, acetaminophen, and diphenhydramine hydrochloride tablets, 2320  
hydrochloride and acetaminophen tablets, 2322  
hydrochloride extended-release capsules, 5604  
hydrochloride, carbinoxamine maleate, and dextromethorphan hydrobromide oral solution, 5608  
hydrochloride and chlorpheniramine maleate extended-release capsules, 3125  
hydrochloride and chlorpheniramine maleate oral solution, 3126  
hydrochloride and guaifenesin capsules, 4167  
hydrochloride, guaifenesin, and dextromethorphan hydrobromide capsules, 4168  
hydrochloride and ibuprofen tablets, 4270  
hydrochloride oral solution, 5605  
hydrochloride tablets, 5606  
hydrochloride extended-release tablets, 5607  
hydrochloride and cetirizine hydrochloride extended-release tablets, 3075  
hydrochloride and fexofenadine hydrochloride extended-release tablets, 3901  
sulfate, 5609  
sulfate and brompheniramine maleate oral solution, 2799  
sulfate and dexbrompheniramine maleate oral solution, 3413  
and triprolidine hydrochlorides oral solution, 6280  
and triprolidine hydrochlorides tablets, 6280
- Psyllium  
hemicellulose, 5610  
husk, 5612

Psyllium (*continued*)  
 hydrophilic mucilloid for oral suspension, 5613  
 Pullulan, 7501  
 Pullulanase, 2139  
 5,800, 23,700, and 100,000 molecular weight (MW) pullulan standards, 2128  
 Pumice, 2140, 5613  
 Pure steam, 6392  
 Purine, 2140  
*Purpurea*  
 extract, powdered *Echinacea*, 6610  
 powdered *Echinacea*, 6607  
 root, *Echinacea*, 6605  
 Putrescine dihydrochloride, 2140  
 Pygeum, 6792  
 capsules, 6794  
 extract, 6792  
 Pyrantel pamoate, 5614  
 and ivermectin tablets, 4452  
 oral suspension, 5616  
 Pyrantel tartrate, 5617  
 Pyrazinamide, 5618  
 rifampin, isoniazid, and ethambutol hydrochloride tablets, 5708  
 rifampin and isoniazid tablets, 5707  
 oral suspension, 5618, 8792  
 tablets, 5619  
 Pyrazole, 2140  
 Pyrene, 2140  
 Pyrethrum extract, 5619  
 4-(2-Pyridylazo)resorcinol, 2141  
 Pyridine, 2140  
 dried, 2140  
 Pyridine-pyrazolone TS, 2174  
 Pyridostigmine bromide, 5620  
 injection, 5620  
 oral solution, 5621  
 tablets, 5621  
 Pyridoxal  
 hydrochloride, 2140  
 5-phosphate, 2141  
 Pyridoxamine dihydrochloride, 2141  
 Pyridoxine hydrochloride, 5623  
 injection, 5624  
 tablets, 5624  
 1-(2-Pyridylazo)-2-naphthol, 2141  
 3-(2-Pyridyl)-5,6-di(2-furyl)-1,2,4-triazine-5',  
 5''-disulfonic acid, disodium salt, 2141  
 Pylamine maleate, 5626  
 tablets, 5626  
 Pyrimethamine, 5627  
 and sulfadoxine tablets, 5947  
 oral suspension, 5627, 8793  
 tablets, 5628  
 Pyrogallol, 2141  
 TS, alkaline, 2174  
 Pyrogen test (151), 217  
 Pyroxylin, 5629  
 Pyrrole, 2141  
 Pyruvic acid, 2141  
 Pyrvinium pamoate, 5629  
 oral suspension, 5630  
 tablets, 5630

## Q

Quality assurance in pharmaceutical compounding (1163), 1493  
 Quality attributes of tablets labeled as having a functional score (705), 539

Quality of biotechnological products  
 analysis of the expression construct in cells used for production of r-DNA derived protein products (1048), 989  
 stability testing of biotechnological/biological products (1049), 991  
 Quantitative filter paper, 2141  
 Quazepam, 5632  
 tablets, 5632  
 Quercetin, 6796  
 Quetiapine  
 tablets, 5635, 8139  
 Quetiapine fumarate, 5633  
 Quinaldine red, 2163  
 TS, 2174  
 Quinapril  
 hydrochloride, 5638  
 and hydrochlorothiazide tablets, 5639  
 tablets, 5642  
 Quinhydrone, 2141  
 Quinidine gluconate, 5643  
 injection, 5644  
 extended-release tablets, 5645  
 Quinidine sulfate, 5647  
 capsules, 5648  
 oral suspension, 5649, 8794  
 tablets, 5650  
 extended-release tablets, 5651  
 Quinine sulfate, 5653  
 capsules, 5654  
 tablets, 5656  
 Quinine, 2142  
 TS, 2174

## R

Rabeprazole  
 sodium, 8142  
 Rabies  
 immune globulin, 5658  
 Racemethionine, 7502  
 Racemic  
 calcium pantothenate, 2887  
 Racepinephrine, 5658  
 hydrochloride, 5659  
 inhalation solution, 5659  
 Ractopamine hydrochloride  
 suspension, 5660  
 Radiation sterilization (1229.10), 1683  
 Radioactivity (821), 675

## Radiopharmaceuticals

C 13, urea, 2934  
 C 13, urea for oral solution, 2935  
 C 14, urea capsules, 2936  
 Cr 51, sodium chromate injection, 3143  
 Cr 51, chromium edetate injection, 3144  
 Co 57, cyanocobalamin capsules, 3271  
 Co 57, cyanocobalamin oral solution, 3272  
 Co 58, cyanocobalamin capsules, 3272  
 F 18, fludeoxyglucose injection, 3964  
 F 18, sodium fluoride injection, 3965  
 Ga 67 injection, gallium citrate, 4091  
 Indium In 111 capromab pendetide injection, 4298  
 Indium In 111 chloride solution, 4298  
 Indium In 111 ibritumomab tiuxetan injection, 4300

Indium In 111 oxyquinoline solution, 4300  
 Indium In 111 pentetate injection, 4301  
 Indium In 111 pentetate injection, 4302  
 Indium In 111 satumomab pendetide injection, 4303  
 I 123, iobenguane injection, 4340  
 I 123, iodohippurate sodium injection, 4341  
 I 123, sodium iodide capsules, 4342  
 I 123, sodium iodide solution, 4343  
 I 125, iodinated albumin injection, 4344  
 I 125, iothalamate sodium injection, 4344  
 I 131, iodinated albumin aggregated injection, 4345  
 I 131, iodinated albumin injection, 4345  
 I 131, iobenguane injection, 4341  
 I 131, iodohippurate sodium injection, 4346  
 I 131, rose bengal sodium injection, 4347  
 I 131, sodium iodide capsules, 4347  
 I 131, sodium iodide solution, 4348  
 Krypton Kr 81m, 4471  
 N 13, ammonia injection, 5081  
 P 32, chromic phosphate suspension, 5394  
 P 32, sodium phosphate solution, 5394  
 Rubidium chloride Rb 82 injection, 5767  
 Samarium Sm 153 lexidronam injection, 5791  
 Sr 89 injection, strontium chloride, 5919  
 Technetium Tc 99m albumin aggregated injection, 6012  
 Technetium Tc 99m albumin colloid injection, 6013  
 Technetium Tc 99m albumin injection, 6011  
 Technetium Tc 99m apcitide injection, 6015  
 Technetium Tc 99m arcitumomab injection, 6016  
 Technetium Tc 99m bicisate injection, 6016  
 Technetium Tc 99m depreotide injection, 6017  
 Technetium Tc 99m disofenin injection, 6018  
 Technetium Tc 99m etidronate injection, 6019  
 Technetium Tc 99m exametazime injection, 6019  
 Technetium Tc 99m gluceptate injection, 6021  
 Technetium Tc 99m lidofenin injection, 6022  
 Technetium Tc 99m mebrofenin injection, 6023  
 Technetium Tc 99m medronate injection, 6024  
 Technetium Tc 99m mertiatide injection, 6025  
 Technetium Tc 99m nofetumomab merpentan injection, 6026  
 Technetium Tc 99m oxidronate injection, 6026  
 Technetium Tc 99m pentetate injection, 6027  
 Technetium Tc 99m pertechnetate injection, sodium, 6028  
 Technetium Tc 99m pyrophosphate injection, 6029  
 Technetium Tc 99m (pyro- and trimeta-) phosphates injection, 6030  
 Technetium Tc 99m red blood cells injection, 6030

**Radiopharmaceuticals** (continued)

Technetium Tc 99m sestamibi injection, 6031  
 Technetium Tc 99m succimer injection, 6032  
 Technetium Tc 99m sulfur colloid injection, 6033  
 Technetium Tc 99m tetrofosmin injection, 6033  
 Thallous chloride Tl 201 injection, 6094  
 Xenon Xe 127, 6395  
 Xenon Xe 133, 6395  
 Xenon Xe 133 injection, 6395  
 Yttrium Y 90 ibritumomab tiuxetan injection, 6403

---

Raloxifene hydrochloride, 5662  
 tablets, 5663  
 Raman spectroscopy (1120), 1367  
 Ramipril, 5665  
 capsules, 5667  
 Ranitidine  
 hydrochloride, 5669  
 injection, 5670  
 in sodium chloride injection, 5673  
 oral solution, 5671  
 tablets, 5672  
 Rapeseed oil  
 fully hydrogenated, 7504  
 superglycerinated fully hydrogenated, 7504  
 Rat tail collagen, 2104  
 Rauwolfia serpentina, 5674  
 powdered, 5676  
 tablets, 5676  
 Rayon, 2142  
 purified, 5676  
 Rb 82  
 injection, rubidium chloride, 5767  
 Readily carbonizable substances test (271), 286  
 Reagent  
 specifications, 2084, 7844  
 Reagents, 2080, 7840  
 arsenic in, 2080  
 boiling or distilling range for, 2080  
 chloride in, 2081  
 flame photometry for, 2081  
 general tests for, 2080  
 heavy metals in, 2082  
 indicators and solutions, 2079, 7839  
 insoluble matter in, 2083  
 loss on drying for, 2083  
 nitrate in, 2083  
 nitrogen compounds in, 2083  
 phosphate in, 2083  
 residue on ignition in, 2083  
 sulfate in, 2083  
 Rectal solution  
 aminophylline, 2481  
 sodium phosphates, 5886  
 Red  
 80, direct, 2142  
 phosphorus, 2142  
 Red-cell lysing agent, 2142  
 Reference standards  
 USP (11), 103  
 Reference tables, 2191, 7847  
 Alcoholometric, 2274  
 Atomic weights, 2269  
 Container specifications for capsules and tablets, 2191, 7847, 8459

Description and relative solubility of USP and NF articles, 2201, 7858, 8470  
 Intrinsic viscosity table, 2276  
 Relative atomic masses and half-lives of selected radionuclides, 2272  
 Solubilities, 2261  
 Thermometric equivalents, 2278  
 Refractive index (831), 695  
 Rehydration salts, oral, 5677, 8795  
 Relative atomic masses and half-lives of selected radionuclides, 2272  
 Repaglinide, 5679  
 tablets, 5681  
 Resazurin (sodium), 2142  
 Reserpine, 5682  
 and chlorothiazide tablets, 5686  
 and hydrochlorothiazide tablets, 5687  
 injection, 5683  
 oral solution, 5684  
 tablets, 5684  
 Residual host cell protein measurement in biopharmaceuticals (1132), 1416  
 Residual solvents (467), 339  
 Residue on ignition (281), 286  
 Residue on ignition in reagents, 2083

**Resin**


---

Anion-exchange, 50- to 100-mesh, styrene-divinylbenzene, 2090  
 Anion-exchange, chloromethylated polystyrene-divinylbenzene, 2089  
 Anion-exchange, strong, lightly cross-linked, in the chloride form, 2089  
 Anion-exchange, styrene-divinylbenzene, 2089  
 Capsicum oleoresin, 2906  
 Carboxylate (sodium form) cation-exchange (50- to 100-mesh), 2100  
 Cation-exchange, 2100  
 Cation-exchange, carboxylate (sodium form) 50- to 100-mesh, 2100  
 Cation-exchange, polystyrene, 2100  
 Cation-exchange, styrene-divinylbenzene, 2100  
 Cation-exchange, styrene-divinylbenzene, strongly acidic, 2101  
 Cation-exchange, sulfonic acid, 2101  
 Chloromethylated polystyrene-divinylbenzene anion-exchange, 2103  
 Cholestyramine, 3140  
 Ion-exchange, 2122  
 Podophyllum, 5439  
 Podophyllum topical solution, 5439  
 Polystyrene cation-exchange, 2137  
 Styrene-divinylbenzene anion-exchange, 50- to 100-mesh, 2152  
 Styrene-divinylbenzene cation-exchange, strongly acidic, 2152  
 Sulfonic acid cation-exchange, 2152

---

Resorcinol, 5689  
 monoacetate, 5691  
 ointment, compound, 5690  
 and sulfur topical suspension, 5690  
 TS, 2174  
 6Z-retinoic acid, 8456  
 Retinyl palmitate, 2142  
 Reverse transcriptase, 2142  
 Rheometry (1911), 2012  
 Rhodamine 6G, 2142

Rhodamine B, 2142  
*Rhodiola rosea*, 6805  
 capsules, 7937  
 extract, 6809  
 powdered, 6807  
 tablets, 7939  
 tincture, 6810  
 Ribavirin, 5691  
 capsules, 5692, 8797  
 for inhalation solution, 5693  
 tablets, 5694  
 Riboflavin, 5696  
 assay (481), 356  
 injection, 5697  
 5'-phosphate sodium, 5698  
 tablets, 5697  
 Ribonuclease inhibitor, 2142  
 Ribose, 7941  
 Rifabutin, 5700  
 capsules, 5701  
 oral suspension, 5701, 8799  
 Rifampin, 5702  
 capsules, 5703  
 for injection, 5704  
 and isoniazid capsules, 5705  
 isoniazid, pyrazinamide, and ethambutol hydrochloride tablets, 5708  
 isoniazid, and pyrazinamide tablets, 5707  
 oral suspension, 5705, 8800  
 Riluzole, 5709  
 tablets, 5710  
 Rimantadine hydrochloride, 5711  
 tablets, 5712  
 Rimexolone, 5713  
 ophthalmic suspension, 5714, 8143  
 Ringer's  
 and dextrose injection, 5716, 8801  
 and dextrose injection, half-strength lactated, 5718, 8808  
 and dextrose injection, lactated, 5717, 8805  
 and dextrose injection, modified lactated, 5719, 8811  
 injection, 5714  
 injection, lactated, 5716, 8803  
 irrigation, 5721  
 lactated, and dextrose injection, potassium chloride in, 5462, 8774  
 Risedronate sodium, 5721, 8144  
 tablets, 5723  
 Risperidone, 5725  
 oral solution, 5726  
 tablets, 5727  
 orally disintegrating tablets, 5729  
 Ritodrine hydrochloride, 5731  
 injection, 5731  
 tablets, 5732  
 Ritonavir, 5732  
 capsules, 5735  
 and lopinavir oral solution, 4600  
 and lopinavir tablets, 4604  
 oral solution, 5738  
 tablets, 5742  
 Rivastigmine, 5745  
 Rivastigmine tartrate, 5746  
 capsules, 5748  
 Rizatriptan benzoate, 5749  
 tablets, 5750  
 orally disintegrating tablets, 5752  
 Rocuronium bromide, 5754  
 Ropinirole  
 tablets, 5756  
 extended-release tablets, 8814  
 Ropinirole hydrochloride, 5758

Ropivacaine hydrochloride, 5761  
injection, 5763  
Rose  
bengal sodium, 2142  
bengal sodium I 131 injection, 4347  
oil, 7506  
water ointment, 5765  
water, stronger, 7506  
Rosiglitazone maleate, 5765  
Roxarsone, 5766  
Rubidium chloride Rb 82 injection, 5767  
Rufinamide, 5768  
tablets, 5769  
Rules and procedures, xxxi  
Ruthenium red, 2142  
TS, 2174  
Rutin, 6816

## S

Saccharin, 7507  
calcium, 5772  
sodium, 5773  
sodium oral solution, 5775  
sodium tablets, 5776  
Saccharose, 2142  
Safflower oil, 5776  
Safranin O, 2142  
Salicylaldazine, 2142  
Salicylaldehyde, 2142  
Salicylamide, 5777  
Salicylic acid, 2143, 5779  
and benzoic acids ointment, 2719  
collodion, 5780  
gel, 5781  
plaster, 5781  
topical foam, 5780  
and zinc paste, 6427  
Saline TS, 2174  
pyrogen-free, 2174  
Salmeterol  
fluticasone propionate, inhalation aerosol, 4015  
fluticasone propionate, inhalation powder, 4020  
inhalation powder, 5781  
Salmeterol xinafoate, 5786  
Salsalate, 5788  
capsules, 5789  
tablets, 5790  
Salt  
octanesulfonic acid sodium, 2131  
Salts of organic nitrogenous bases (501), 357  
Samarium Sm 153 lexidronam injection, 5791  
Sand  
standard 20- to 30-mesh, 2143  
washed, 2143  
Saquinavir mesylate, 5792  
capsules, 5793  
Sargramostim, 5793  
for injection, 5796  
Sawdust, purified, 2143  
Saw palmetto, 6822  
capsules, 6829  
extract, 6827  
powdered, 6825  
Scaffold  
bovine dermis, 5798  
human dermis, 5801  
porcine bladder, 5804  
silk fibroin, 5808  
Scandium oxide, 2143  
Scanning electron microscopy (1181), 1536  
Schizochytrium oil, 6835, 8539  
capsules, 6837  
Schweitzer's reagent, 2174  
Scopolamine hydrobromide, 5813  
injection, 5813  
ophthalmic solution, 5814  
tablets, 5814  
S designations, 2142  
Secobarbital, 5815  
sodium, 5815  
sodium capsules, 5816  
sodium injection, 5817  
sodium for injection, 5818  
sodium and amobarbital sodium capsules, 5818  
Secondary butyl alcohol, 2143  
Selegiline hydrochloride, 5819  
capsules, 5820  
tablets, 5821  
Selegiline hydrochloride compounded topical gel, 5822  
Selenious acid, 2143, 5823  
injection, 5823  
Selenium, 2143  
sulfide, 5824  
sulfide topical suspension, 5825  
Selenium (291), 287  
Selenomethionine, 2143, 6840  
Semisolid drug products—performance tests (1724), 1869  
Senna  
fluidextract, 5826  
leaf, 5825  
pods, 5826  
oral solution, 5827  
Sennosides, 5828  
tablets, 5829  
Sensitization testing (1184), 1546  
Serine, 5830  
Sertraline  
hydrochloride, 5831  
hydrochloride oral solution, 5833  
hydrochloride tablets, 5834, 8817  
Sesame oil, 7508  
Sevoflurane, 5836  
Shear cell methodology for powder flow testing (1063), 8348  
Shellac, 7509, 8566  
Sibutramine hydrochloride, 5838  
Significant change guide for bulk pharmaceutical excipients (1195), 1561  
Sildenafil  
tablets, 8146  
Sildenafil citrate, 5840  
oral suspension, 5841, 8819  
Silica  
calcined diatomaceous, 2143  
chromatographic, silanized, flux-calcined, acid-washed, 2143  
colloidal, hydrophobic, 7511  
dental-type, 7510  
gel, 2143  
gel, binder-free, 2143  
gel, chromatographic, 2143  
gel-impregnated glass microfiber sheet, 2143  
gel mixture, chromatographic, 2144  
gel mixture, chromatographic, with chemically bound amino groups, 2144  
gel mixture, dimethylsilanized, chromatographic, 2144  
gel mixture, octadecylsilanized chromatographic, 2144  
gel mixture, octylsilanized, chromatographic, 2144  
gel, octadecylsilanized chromatographic, 2143  
gel, porous, 2143  
microspheres, 2144  
Siliceous earth  
chromatographic, 2144  
chromatographic, silanized, 2144  
purified, 7512  
Silicic acid, 2144  
acid—impregnated glass microfilament sheets with fluorescent indicator, 2144  
Silicon  
carbide, 2144  
dioxide, 7512  
dioxide colloidal, 7513  
Silicone  
75 percent phenyl, methyl, 2144  
Silicotungstic acid, *n*-hydrate, 2144  
Silicified microcrystalline cellulose, 7233  
Silver  
diethyldithiocarbamate, 2144  
diethyldithiocarbamate TS, 2175  
nitrate, 2144, 5842  
nitrate ophthalmic solution, 5842  
nitrate, tenth-normal (0.1 N), 2183  
nitrate, toughened, 5843  
nitrate TS, 2175  
oxide, 2144  
Silver—ammonia—nitrate TS, 2174  
Silver—ammonium nitrate TS, 2175  
Silver sulfate, 8456  
Simethicone, 5843  
alumina, magnesia, and calcium carbonate chewable tablets, 2410  
alumina and magnesia oral suspension, 2412  
alumina and magnesia chewable tablets, 2414  
calcium carbonate and magnesia chewable tablets, 2870  
capsules, 5844  
emulsion, 5844  
and magaldrate chewable tablets, 4645  
and magaldrate oral suspension, 4644  
oral suspension, 5846  
tablets, 5846  
Simulated gastric fluid TS, 2175  
Simulated intestinal fluid TS, 2175  
Simvastatin, 5847  
tablets, 5848  
Single-steroid assay (511), 360  
Sipuleucel-T, 5850  
Sisomicin sulfate, 5852  
injection, 5852  
Sitagliptin phosphate, 5854  
tablets, 5852  
 $\beta$ -Sitosterol, 2145  
Six-month implementation guideline, ii  
Sm 153 lexidronam injection, samarium, 5791  
Soda lime, 2145, 7514  
Sodium, 2145  
acetate, 2145, 5855  
acetate, anhydrous, 2145  
acetate injection, 5856  
acetate solution, 5856  
acetate TS, 2175  
alendronate, tablets, 2368



Sodium (*continued*)

- alginate, 7514
- alizerinsulfonate, 2145
- alizerinsulfonate TS, 2175
- aminoacetate TS, 2175
- ammonium phosphate, 2145
- arsenate, 2145
- arsenite, 2145
- arsenite, twentieth-molar (0.05 M), 2183
- ascorbate, 5857
- azide, 2146
- benzoate, 7515
- benzoate and caffeine injection, 2847
- bicarbonate, 2146, 5857, 8147
- bicarbonate injection, 5861
- bicarbonate and magnesium carbonate for oral suspension, 4649
- bicarbonate oral powder, 5861
- bicarbonate tablets, 5861
- biphenyl, 2146
- biphosphate, 2146
- bisulfite, 2146
- bisulfite TS, 2175
- bitartrate, 2146
- bitartrate TS, 2175
- borate, 2146, 7516
- borohydride, 2146
- bromide, 2146, 5862
- bromide injection, veterinary, 5863, 8820
- bromide oral solution, veterinary, 5863, 8821
- butyrate, 5864
- caprylate, 7516
- carbonate, 2146, 7517
- carbonate, anhydrous, 2146
- carbonate, citric acid, and magnesium oxide irrigation, 3190
- carbonate, monohydrate, 2146
- carbonate TS, 2175
- carboxymethylcellulose, 2941
- carboxymethylcellulose, and microcrystalline cellulose, 7233
- carboxymethylcellulose, paste, 2942
- carboxymethylcellulose, tablets, 2943
- 12, carboxymethylcellulose, 7222
- cefazolin, 2988
- cefmetazole, 3007
- cefoperazone, 3011
- cefotaxime, 3016
- cetostearyl sulfate, 7518, 8568
- chloride, 2146, 5864, 8821
- chloride and dextrose injection, 3435
- chloride and dextrose tablets, 5870, 8151
- chloride and fructose injection, 4055
- chloride inhalation solution, 5869
- chloride injection, 5866
- chloride injection, bacteriostatic, 5867
- chloride injection, dextran 40 in, 3425
- chloride injection, dextran 70 in, 3429
- chloride injection, mannitol in, 4678
- chloride injection, potassium chloride in, 5463, 8776
- chloride injection, potassium chloride in dextrose injection and, 5461, 8772
- chloride injection, ranitidine in, 5673
- chloride irrigation, 5868
- chloride ophthalmic ointment, 5868
- chloride ophthalmic solution, 5869
- chloride solution, isotonic, 2146
- chloride tablets, 5869
- chloride tablets for solution, 5869
- chloride TS, alkaline, 2175
- cholate hydrate, 2147
- chromate, 2147
- chromate, Cr 51 injection, 3143
- chromotropate, 2147
- cilastatin, 3151
- citrate, 5870
- citrate and citric acid oral solution, 5870
- citrate dihydrate, 2147
- citrate TS, 2175
- citrate TS, alkaline, 2175
- cobaltinitrite, 2147
- cobaltinitrite TS, 2175
- cyanide, 2147
- dalteparin, 3361
- 1-decanesulfonate, 2147
- dehydroacetate, 7520
- desoxycholate, 2147
- dichromate, 2147
- diethyldithiocarbamate, 2147
- 2,2-dimethyl-2-silapentane-5-sulfonate, 2147
- dithionite, 2147
- dodecyl sulfate, 2147
- ethylparaben, 7303
- ferrocyanide, 2147
- fluconazole, chloride injection, 3929
- fluorescein, 2147
- fluoride, 2147, 5871
- fluoride and acidulated phosphate topical solution, 5874
- fluoride F18 injection, 3965
- fluoride and phosphoric acid gel, 5875
- fluoride oral solution, 5873
- fluoride tablets, 5873
- fluoride TS, 2175
- formaldehyde sulfoxylate, 7520
- gluconate, 5875
- glycocholate, 2147
- 1-heptanesulfonate, 2147
- 1-heptanesulfonate, monohydrate, 2147
- 1-hexanesulfonate, 2147
- 1-hexanesulfonate, monohydrate, 2147
- hydrogen sulfate, 2147
- hydrosulfite, 2147
- hydrosulfite TS, alkaline, 2175
- hydroxide, 2148, 7521
- hydroxide, alcoholic, tenth-normal (0.1 N), 2183
- hydroxide, normal (1 N), 2183
- hydroxide TS, 2175
- hydroxide TS 2, 2175
- hydroxide TS 3, 2175
- hypobromite TS, 2175
- hypochlorite solution, 2148, 5876
- hypochlorite topical solution, 5876, 8824
- hypochlorite TS, 2175
- iodate, 2148
- iodide, 5876
- iodide 1 123 capsules, 4342
- iodide 1 123 solution, 4343
- iodide 1 131 capsules, 4347
- iodide 1 131 solution, 4348
- iodohydroxyquinolinesulfonate TS, 2175
- lactate injection, 5877
- lactate solution, 5878
- lauryl sulfate, 2148, 7522
- low-substituted carboxymethylcellulose, 7220, 7959
- metabisulfite, 2148, 7524
- metaperiodate, 2148
- methoxide, 2148
- methoxide, half-normal (0.5 N) in methanol, 2183
- methoxide, tenth-normal (0.1 N) in toluene, 2184
- molybdate, 2148
- monofluorophosphate, 5878
- montelukast, oral granules, 4932, 8727
- montelukast, tablets, 4934, 8730
- montelukast, chewable tablets, 4936, 8732
- mycophenolate, 4965
- nitrate, 2148
- nitrite, 2148, 5879
- nitrite injection, 5880
- nitrite, tenth-molar (0.1 M), 2184
- nitroferricyanide, 2148
- nitroferricyanide TS, 2175
- nitroprusside, 5880
- nitroprusside for injection, 5881
- 1-octanesulfonate, 2148
- oxalate, 2148
- (tri) pentacyanoamino ferrate, 2148
- 1-pentanesulfonate, 2149
- 1-pentanesulfonate, anhydrous, 2149
- perchlorate, 2149
- peroxide, 2149
- pertechnetate Tc 99m injection, 6028
- phenylbutyrate, 5882
- phenylbutyrate oral suspension, 5883, 8824
- phosphate, dibasic, 2149, 5884
- phosphate, dibasic, anhydrous, 2149
- phosphate, dibasic, dihydrate, 2149
- phosphate, dibasic, dodecahydrate, 2149
- phosphate, dibasic, heptahydrate, 2149
- phosphate, dibasic, TS, 2175
- phosphate, monobasic, 2149, 5885
- phosphate, monobasic, anhydrous, 2149
- phosphate, monobasic, dihydrate, 2149
- phosphate P 32 solution, 5394
- phosphates injection, 5885
- phosphates oral solution, 5886
- phosphates rectal solution, 5886
- phosphate, tribasic, 2149, 7524
- phosphite pentahydrate, 2149
- phosphotungstate TS, 2175
- picosulfate, 5886
- polystyrene sulfonate, 5888
- polystyrene sulfonate suspension, 5888
- and potassium bicarbonates and citric acid effervescent tablets for oral solution, 5453
- propionate, 7525
- pyrophosphate, 2149
- pyruvate, 2149
- rabeprazole, 8142
- salicylate, 2149, 5889
- salicylate tablets, 5890
- selenite, 2149
- starch glycolate, 7526, 7974
- stearate, 7527
- stearyl fumarate, 7528
- sulfate, 2150, 5892
- sulfate, anhydrous, 2150
- sulfate decahydrate, 2150
- sulfate injection, 5892
- sulfide, 2150, 5892
- sulfide topical gel, 5893
- sulfide TS, 2175
- sulfite, 2150, 7529
- sulfite, anhydrous, 2150
- p-sulfophenylazochromotropate, 2150
- tartrate, 2150, 7531
- tartrate TS, 2175
- tetraphenylborate, 2150
- tetraphenylboron, 2150
- tetraphenylboron, fiftieth-molar (0.02 M), 2184
- tetraphenylboron TS, 2175
- thioglycolate, 2150
- thioglycolate TS, 2175
- thiosulfate, 2150, 5893, 8151
- thiosulfate injection, 5894, 8152

Sodium (*continued*)  
 thiosulfate, tenth-normal (0.1 N), 2184  
 thiosulfate TS, 2175  
 L-thyroxine, 2150  
 3-(trimethylsilyl)-1-propane sulfonate, 2150  
 tungstate, 2150  
 Sodium hydroxide  
 0.2 N, TS, 8457  
 5 N, TS, 8457  
 Sodium phenylbutyrate, 5882  
 Solubilities, 2261  
 Soluble starch, 2150

## Solution

Acetaminophen and codeine phosphate oral, 2315  
 Acetaminophen, dextromethorphan hydrobromide, doxylamine succinate, and pseudoephedrine hydrochloride oral, 2318  
 Acetaminophen for effervescent oral, 2297  
 Acetaminophen oral, 2296  
 Acetic acid otic, 2328  
 Acetylcholine chloride for ophthalmic, 2332  
 Acetylcysteine, 2334  
 Acidulated phosphate and sodium fluoride topical, 5874  
 Aluminum acetate topical, 2420  
 Aluminum chlorohydrate, 2422  
 Aluminum dichlorohydrate, 2425  
 Aluminum sesquichlorohydrate, 2431  
 Aluminum subacetate topical, 2432  
 Aluminum sulfate and calcium acetate for topical, 2433  
 Aluminum sulfate and calcium acetate tablets for topical, 2434  
 Aluminum zirconium octachlorohydrate, 2436  
 Aluminum zirconium octachlorohydrate gly, 2438  
 Aluminum zirconium pentachlorohydrate, 2440  
 Aluminum zirconium pentachlorohydrate gly, 2442  
 Aluminum zirconium tetrachlorohydrate, 2444  
 Aluminum zirconium tetrachlorohydrate gly, 2446  
 Aluminum zirconium trichlorohydrate, 2448  
 Aluminum zirconium trichlorohydrate gly, 2450  
 Amantadine hydrochloride oral, 2453  
 Aminobenzoate potassium for oral, 2467  
 Aminobenzoic acid topical, 2470  
 Aminocaproic acid oral, 2471  
 Aminophylline oral, 2481  
 Aminophylline rectal, 2481  
 Ammonia, diluted, 2136  
 Ammonia, strong, 7155  
 Amprolium oral, 2549  
 Anticoagulant citrate dextrose, 2566  
 Anticoagulant citrate phosphate dextrose, 2568  
 Anticoagulant citrate phosphate dextrose adenine, 2569  
 Anticoagulant heparin, 4187  
 Anticoagulant sodium citrate, 2571  
 Antipyrine and benzocaine otic, 2573  
 Antipyrine, benzocaine, and phenylephrine hydrochloride otic, 2574  
 Apraclonidine ophthalmic, 2579  
 Aromatic elixir, 7163  
 Ascorbic acid oral, 2599  
 Aspirin effervescent tablets for oral, 2609  
 Atenolol oral, 2621, 8582  
 Atropine sulfate ophthalmic, 2641  
 Benoxinate hydrochloride ophthalmic, 2700  
 Benzaldehyde elixir, compound, 7172  
 Benzalkonium chloride, 7175, 8553  
 Benzethonium chloride topical, 2701  
 Benzocaine, butamben, and tetracaine hydrochloride topical, 2715  
 Benzocaine otic, 2711  
 Benzocaine topical, 2712  
 Betamethasone oral, 2735  
 Betaxolol ophthalmic, 2749  
 Bethanechol chloride oral, 2753, 8585  
 Bromodiphenhydramine hydrochloride and codeine phosphate oral, 2795  
 Bromodiphenhydramine hydrochloride oral, 2795  
 Brompheniramine maleate and pseudoephedrine sulfate oral, 2799  
 Brompheniramine maleate oral, 2798  
 Buprenorphine compounded buccal, veterinary, 2810  
 Butabarbital sodium oral, 2825  
 Butorphanol tartrate nasal, 2838  
 Caffeine citrate oral, 2846  
 Calcitonin salmon nasal, 2858  
 Calcium hydroxide topical, 2882  
 Captopril oral, 2910, 8587  
 Carbachol intraocular, 2913  
 Carbachol ophthalmic, 2914  
 Carbamide peroxide topical, 2921  
 Carbol-fuchsin topical, 2933  
 C 13 for oral, urea, 2935  
 Carteolol hydrochloride ophthalmic, 2957  
 Cefazolin ophthalmic, 2987  
 Cetylpyridinium chloride topical, 3080  
 Chloral hydrate oral, 3082  
 Chloramphenicol for ophthalmic, 3087  
 Chloramphenicol ophthalmic, 3086  
 Chloramphenicol oral, 3087  
 Chloramphenicol otic, 3087  
 Chlorhexidine gluconate, 3104  
 Chlorpheniramine maleate and pseudoephedrine hydrochloride oral, 3126  
 Chlorpheniramine maleate oral, 3124  
 Cholecalciferol, 3139  
 Chymotrypsin for ophthalmic, 3146  
 Ciprofloxacin ophthalmic, 3164  
 Clindamycin hydrochloride oral, 3211  
 Clindamycin palmitate hydrochloride for oral, 3212  
 Clindamycin phosphate topical, 3215  
 Clobetasol propionate topical, 3225  
 Clotrimazole topical, 3260  
 Cloxacillin sodium for oral, 3268  
 Coal tar topical, 3271  
 Cyanocobalamin Co 57 oral, 3272  
 Cocaine hydrochloride tablets for topical, 3274  
 Cocaine and tetracaine hydrochlorides and epinephrine topical, 3275  
 Codeine sulfate oral, 3282  
 Cromolyn sodium ophthalmic, 3323, 8032  
 Cupriethylenediamine hydroxide, 1.0 M, 2105  
 Cyclopentolate hydrochloride ophthalmic, 3338  
 Cyclosporine oral, 3349  
 Cyproheptadine hydrochloride oral, 3352  
 Demecarium bromide ophthalmic, 3377  
 Dexamethasone elixir, 3399  
 Dexamethasone oral, 3401  
 Dexamethasone sodium phosphate ophthalmic, 3411  
 Dexbrompheniramine maleate and pseudoephedrine sulfate oral, 3413  
 Dexchlorpheniramine maleate oral, 3415  
 Dextromethorphan hydrobromide oral, 3434  
 Diatrizoate meglumine and diatrizoate sodium, 3439  
 Diatrizoate sodium, 3441  
 Dichlorophenol-indophenol, standard, 2178  
 Dicyclimine hydrochloride oral, 3471  
 Diethyltoluamide topical, 3484  
 Digoxin oral, 3493  
 Dihydrotachysterol oral, 3499  
 Diltiazem hydrochloride oral, 3509, 8625  
 Dimenhydrinate oral, 3513  
 Dimethyl sulfoxide topical, 3517  
 Diphenhydramine hydrochloride oral, 3530  
 Diphenoxylate hydrochloride and atropine sulfate oral, 3538  
 Dipivefrin hydrochloride ophthalmic, 3541  
 Docusate sodium, 3574  
 Dolasetron mesylate oral, 3579, 8637  
 Dorzolamide hydrochloride and timolol maleate ophthalmic, 3591  
 Doxepin hydrochloride oral, 3601  
 Doxylamine succinate oral, 3624  
 Dyclonine hydrochloride topical, 3642  
 Dyphylline and guaifenesin oral, 3645  
 Dyphylline oral, 3644  
 Ecamsule, 3647  
 Echothiophate iodide for ophthalmic, 3650  
 Emedastine ophthalmic, 3679  
 Ephedrine sulfate oral, 3711  
 Epinephrine bitartrate for ophthalmic, 3717  
 Epinephrine bitartrate ophthalmic, 3716  
 Epinephrine ophthalmic, 3714  
 Epinephryl borate ophthalmic, 3717  
 Ergocalciferol oral, 3727  
 Ergoloid mesylates oral, 3731  
 Erythromycin topical, 3750  
 Escitalopram oral, 3764  
 Ethosuximide oral, 3821  
 Fehling's, 2170  
 Ferric ammonium citrate for oral, 2511  
 Ferric subsulfate, 3878  
 Ferrous gluconate oral, 3886  
 Ferrous sulfate oral, 3889  
 Fluocinolone acetonide topical, 3955  
 Fluocinonide topical, 3958  
 Fluorescein sodium and benoxinate hydrochloride ophthalmic, 3962  
 Fluorescein sodium and proparacaine hydrochloride ophthalmic, 3963  
 Fluorouracil topical, 3972  
 Fluoxetine oral, 3975  
 Fluphenazine hydrochloride elixir, 3984  
 Fluphenazine hydrochloride oral, 3986  
 Flurbiprofen sodium ophthalmic, 3995  
 Formaldehyde, 2117, 4041  
 Furosemide oral, 4061  
 Gentamicin sulfate and betamethasone acetate ophthalmic, 4106  
 Gentamicin sulfate and betamethasone valerate otic, 4107  
 Gentamicin topical, 4108  
 Gentamicin sulfate ophthalmic, 4105  
 Gentian violet topical, 4112  
 Glutaral disinfectant, 7318

**Solution** (continued)

- Glycerin ophthalmic, 4134  
 Glycerin oral, 4135  
 Guaifenesin and codeine phosphate oral, 4165  
 Guaifenesin oral, 4164  
 Halazone tablets for, 4175  
 Halcinonide topical, 4179  
 Haloperidol oral, 4182  
 Heparin lock flush, 4186  
 Homatropine hydrobromide ophthalmic, 4200  
 Hydralazine hydrochloride oral, 4207, 8675  
 Hydrocortisone and acetic acid otic, 4223  
 Hydrogen peroxide, 2120  
 Hydrogen peroxide topical, 4238  
 Hydroquinone topical, 4244  
 Hydroxyamphetamine hydrobromide ophthalmic, 4247  
 Hydroxyzine hydrochloride oral, 4254  
 Hyoscyamine sulfate elixir, 4261  
 Hyoscyamine sulfate oral, 4262  
 Hypromellose ophthalmic, 4265  
 Idoxuridine ophthalmic, 4278  
 Indium In 111 chloride, 4298  
 Indium In 111 oxyquinoline, 4300  
 Iodine, strong, 4338  
 Sodium iodide I 123, 4343  
 Sodium iodide I 131, 4348  
 Iodine topical, 4338  
 Ipecac oral, 4383  
 Isoniazid oral, 4409  
 Isosorbide oral, 4423  
 Ivermectin topical, 4451  
 Lactulose, 4478, 8704  
 Lead, standard, 2175  
 Levalbuterol inhalation, 4516  
 Levobunolol hydrochloride ophthalmic, 4534  
 Levocarnitine oral, 4538  
 Levofloxacin oral, 4547  
 Lidocaine hydrochloride topical, 4566  
 Lincomycin oral, 4571  
 Lithium oral, 4584  
 Locke-Ringer's, 2172  
 Loperamide hydrochloride oral, 4596  
 Loratadine oral, 4612  
 Mafenide acetate for topical, 4640  
 Magnesium carbonate and citric acid for oral, 4648  
 Magnesium carbonate, citric acid, and potassium citrate for oral, 4649  
 Manganese chloride for oral, 4673  
 Magnesium citrate for oral, 4653  
 Magnesium citrate oral, 4652  
 Maltitol, 7387  
 Meperidine hydrochloride oral, 4724  
 Mesoridazine besylate oral, 4752  
 Metaproterenol sulfate oral, 4758  
 Methadone hydrochloride oral, 4779  
 Methdilazine hydrochloride oral, 4784  
 Methenamine mandelate for oral, 4790  
 Methenamine oral, 4786  
 Methoxsalen topical, 4806  
 Methylcellulose ophthalmic, 4815  
 Methylcellulose oral, 4816  
 Metoclopramide oral, 4846  
 Metoprolol tartrate oral, 4856, 8723  
 Mibolerone oral, 4875  
 Minoxidil topical, 4898, 8104  
 Mometasone furoate topical, 4925  
 Moxifloxacin ophthalmic, 4949  
 Myrrh topical, 4970  
 Nafcillin sodium for oral, 4978  
 Naphazoline hydrochloride ophthalmic, 4991  
 Naphazoline hydrochloride and pheniramine maleate ophthalmic, 4991  
 Neomycin and polymyxin B sulfates and gramicidin ophthalmic, 5034  
 Neomycin and polymyxin B sulfates and hydrocortisone otic, 5034  
 Neomycin and polymyxin B sulfates for irrigation, 5024  
 Neomycin and polymyxin B sulfates ophthalmic, 5024  
 Neomycin sulfate and dexamethasone sodium phosphate ophthalmic, 5015  
 Neomycin sulfate oral, 5012  
 Nickel standard TS, 2173  
 Nitrofurazone topical, 5081  
 Nitromersol topical, 5086  
 Norfloxacin ophthalmic, 5102  
 Nortriptyline hydrochloride oral, 5111  
 Ofloxacin ophthalmic, 5124  
 Olopatadine hydrochloride ophthalmic, 5137  
 Ondansetron, oral, 5154  
 Oral, containing at least three of the following—acetaminophen and (salts of) chlorpheniramine, dextromethorphan, and pseudoephedrine, 2308  
 Oxacillin sodium for oral, 5182  
 Oxtriphylline oral, 5210  
 Oxybutynin chloride oral, 5215  
 Oxycodone hydrochloride oral, 5221  
 Oxymetazoline hydrochloride ophthalmic, 5232  
 Papain tablets for topical, 5273  
 Paromomycin oral, 5282  
 Penicillin G potassium for oral, 5306  
 Penicillin V potassium for oral, 5323  
 Perphenazine oral, 5346  
 Phenobarbital oral, 5359  
 Phenol, topical, camphorated, 5363  
 Phenylephrine hydrochloride ophthalmic, 5380  
 Phosphate P 32, sodium, 5394  
 Physostigmine salicylate ophthalmic, 5396  
 Pilocarpine hydrochloride ophthalmic, 5402  
 Pilocarpine nitrate ophthalmic, 5404  
 Podophyllum resin topical, 5439  
 Polyethylene glycol 3350 and electrolytes for oral, 5441  
 Polymyxin B sulfate and hydrocortisone otic, 5447  
 Polymyxin B sulfate and trimethoprim ophthalmic, 5447  
 Potassium bicarbonate effervescent tablets for oral, 5452  
 Potassium bicarbonate and potassium chloride for effervescent oral, 5452  
 Potassium bicarbonate and potassium chloride effervescent tablets for oral, 5452  
 Potassium bicarbonate, potassium chloride, and potassium citrate effervescent tablets for oral, 5462  
 Potassium bromide oral, veterinary, 5456, 8770  
 Potassium chloride for oral, 5459  
 Potassium chloride oral, 5458  
 Potassium citrate and citric acid oral, 5467  
 Potassium gluconate and potassium chloride for oral, 5471  
 Potassium gluconate and potassium chloride oral, 5470  
 Potassium gluconate, potassium citrate, and ammonium chloride oral, 5472  
 Potassium gluconate and potassium citrate oral, 5471  
 Potassium gluconate oral, 5469  
 Potassium iodide oral, 5474  
 Potassium nitrate, 5476  
 Potassium and sodium bicarbonates and citric acid effervescent tablets for oral, 5453  
 Povidone-iodine cleansing, 5484  
 Povidone-iodine topical, 5485  
 Prednisolone oral, 5504  
 Prednisolone sodium phosphate compounded oral, 5510  
 Prednisolone sodium phosphate ophthalmic, 5511  
 Prednisone oral, 5514  
 Prochlorperazine oral, 5539  
 Promazine hydrochloride oral, 5553  
 Promethazine and phenylephrine hydrochloride and codeine phosphate oral, 5561  
 Promethazine and phenylephrine hydrochloride oral, 5558  
 Promethazine hydrochloride oral, 5556, 8787  
 Proparacaine hydrochloride ophthalmic, 5573  
 Protein standard (8 g/dL), 2139  
 Pseudoephedrine hydrochloride, carbinoxamine maleate, and dextromethorphan hydrobromide oral, 5608  
 Pseudoephedrine hydrochloride oral, 5605  
 Pyridostigmine bromide oral, 5621  
 Ranitidine oral, 5671  
 Reserpine oral, 5684  
 Risperidone oral, 5726  
 Saccharin sodium oral, 5775  
 Scopolamine hydrobromide ophthalmic, 5814  
 Senna oral, 5827  
 Silver nitrate ophthalmic, 5842  
 Sodium acetate, 5856  
 Sodium bromide oral, veterinary, 5863, 8821  
 Sodium chloride, isotonic, 2146  
 Sodium chloride ophthalmic, 5869  
 Sodium chloride tablets for, 5869  
 Sodium citrate and citric acid oral, 5870  
 Sodium fluoride and acidulated phosphate topical, 5874  
 Sodium fluoride oral, 5873  
 Sodium hypochlorite, 2148, 5876  
 Sodium hypochlorite topical, 5876, 8824  
 Sodium lactate, 5878  
 Sodium phosphate P 32, 5394  
 Sodium phosphates oral, 5886  
 Sodium phosphates rectal, 5886  
 Sorbitol, 5897  
 Sorbitol noncrystallizing, 7538  
 Sorbitol sorbitan, 7540  
 Stavudine for oral, 5916  
 Sulfacetamide sodium ophthalmic, 5935  
 Sulfaquinolaxaline oral, 5959  
 Suprofen ophthalmic, 5978  
 Terpin hydrate and codeine oral, 6063  
 Terpin hydrate oral, 6062  
 Tetracaine hydrochloride ophthalmic, 6076  
 Tetracaine hydrochloride topical, 6076  
 Tetracycline hydrochloride for topical, 6086  
 Tetrahydrozoline hydrochloride ophthalmic, 6091

**Solution** (continued)

Tetramethylammonium hydroxide, in methanol, 2154  
 Theophylline and guaifenesin oral, 6103  
 Theophylline oral, 6098, 8846  
 Theophylline sodium glycinatate oral, 6105  
 Thiamine hydrochloride oral, 6109  
 Thiamine mononitrate oral, 6112  
 Thimerosal topical, 6117  
 Thioridazine hydrochloride oral, 6125  
 Thiothixene hydrochloride oral, 6132  
 Timolol maleate ophthalmic, 6159  
 Tobramycin ophthalmic, 6175  
 Tolnaftate topical, 6195  
 Travoprost ophthalmic, 6226  
 Tretinoin topical, 6234  
 Triamcinolone diacetate oral, 6240  
 Tricitrates oral, 6252  
 Trifluoperazine oral, 6258  
 Trihexyphenidyl hydrochloride oral, 6266  
 Trikates oral, 6267  
 Trimeprazine oral, 6268  
 Triprolidine hydrochloride oral, 6278  
 Triprolidine and pseudoephedrine hydrochlorides oral, 6280  
 Tropicamide ophthalmic, 6286  
 Valproic acid oral, 6320  
 Valrubicin intravesical, 6323  
 Vancomycin hydrochloride for oral, 6334  
 Vehicle for oral, 7428  
 Vehicle for oral, sugar free, 7429  
 Verapamil hydrochloride oral, 6350, 8858  
 Vitamins with minerals, water-soluble oral, 7085  
 Vitamins with minerals, oil- and water-soluble oral, 7001  
 Vitamins, oil- and water-soluble oral, 6946  
 Xanthan gum, 7605  
 Zidovudine oral, 6414  
 Zinc sulfate ophthalmic, 6430  
 Zinc sulfate oral, 6430

**Solutions**

reagents, and indicators, 2079, 7839  
 Solvent hexane, 2150  
 Somatropin, 5894, 8153  
 for injection, 5896, 8155  
 Somatropin bioidentity tests (126), 202  
 Sorbic acid, 7531  
 Sorbitan  
 monolaurate, 7531  
 monooleate, 7532  
 monopalmitate, 7533  
 monostearate, 7534  
 sesquioleate, 7535  
 sorbitol, solution, 7540  
 trioleate, 7536  
 Sorbitol, 2150, 7537  
 solution, 5897  
 solution noncrystallizing, 7538  
 sorbitan solution, 7540  
 Sotalol hydrochloride, 5899  
 oral suspension, 5900, 8825  
 tablets, 5901  
 Soybean oil, 5901  
 hydrogenated, 7541  
 Soy isoflavones  
 capsules, 6843  
 powdered extract, 6841  
 tablets, 6845  
 Specific gravity (841), 695  
 Specific surface area (846), 697

Spectinomycin  
 hydrochloride, 5903  
 for injectable suspension, 5904  
 Spectrophotometric identification tests (197), 230  
 Spectrophotometry and light-scattering (851), 700  
 Spironolactone, 5905  
 and hydrochlorothiazide oral suspension, 5907, 8825  
 and hydrochlorothiazide tablets, 5908  
 tablets, 5907  
 Spironolactone compounded  
 oral suspension, 5905  
 Spironolactone compounded, veterinary  
 oral suspension, 5906  
 Spirulina, 6846  
 tablets, 6850  
 Spray  
 butorphanol tartrate nasal, 2840  
 Squalane, 7542  
 Sr 89 injection, strontium chloride, 5919  
 Stability considerations in dispensing practice (1191), 1557  
 Stachyose hydrate, 2150  
 Standard sand, 20- to 30-mesh, 2150  
 Stannous  
 chloride, 2150, 7543  
 chloride acid, stronger, TS, 2175  
 chloride acid TS, 2175  
 fluoride, 5909  
 fluoride gel, 5910  
 Stanazolol, 5911  
 tablets, 5912  
 Starch  
 corn, 7544  
 corn, pregelatinized hydroxypropyl, 7547  
 hydrolysate, hydrogenated, 7549  
 hydroxypropyl corn, 7546  
 iodate paper, 2164  
 iodide-free TS, 2175  
 iodide paper, 2164  
 iodide paste TS, 2176  
 modified, 7552  
 pea, 7553  
 pea, pregelatinized hydroxypropyl, 7556  
 potassium iodide TS, 2176  
 potassium iodide and, TS, 2174  
 potato, 2150, 7558  
 potato, pregelatinized hydroxypropyl, 7561  
 pregelatinized, 7563  
 pregelatinized modified, 7564  
 sodium, glycolate, 7526, 7974  
 soluble, 2151  
 soluble, purified, 2151  
 tapioca, 7566  
 topical, 5912  
 TS, 2175  
 wheat, 7567  
 Stavudine, 5913  
 capsules, 5914  
 for oral solution, 5916  
 Steam, pure, 6392  
 Steam sterilization by direct contact (1229.1), 1656  
 Stearic acid, 2151, 7568  
 purified, 7570  
 Stearoyl polyoxylglycerides, 7572  
 Stearyl alcohol, 2151, 7573

**Sterile**

Erythromycin ethylsuccinate, 3757  
 Erythromycin gluceptate, 3761  
 Erythromycin lactobionate, 3762  
 Pharmaceutical compounding—sterile  
 preparations (797), 626  
 Sterile product packaging—integrity  
 evaluation (1207), 1594, 7764  
 Sterility testing—validation of isolator  
 systems (1208), 1596  
 Sterilization—chemical and  
 physicochemical indicators and  
 integrators (1209), 1601, 7804  
 Sterilization and sterility assurance of  
 compendial articles (1211), 1604  
 Water, purified, 6392  
 Water for inhalation, 6390  
 Water for injection, 6391  
 Water for irrigation, 6391

Sterile product packaging—integrity  
 evaluation (1207), 1594, 7764  
 Sterility  
 testing—validation of isolator systems  
 (1208), 1596  
 tests (71), 136  
 Sterilization—chemical and physicochemical  
 indicators and integrators (1209), 1601,  
 7804  
 Sterilization-in-place (1229.13), 8371  
 Sterilization of compendial articles (1229),  
 1651  
 Sterilization and sterility assurance of  
 compendial articles (1211), 1604  
 Sterilizing filtration of liquids (1229.4), 1667  
 Stinging nettle, 6853  
 extract, powdered, 6857  
 powdered, 6855  
 St. John's wort, 6817  
 extract, powdered, 6821, 8537  
 powdered, 6819  
 Storax, 5916  
 Streptomycin  
 injection, 5918  
 for injection, 5918  
 sulfate, 5917  
 Stronger  
 ammonia water, 2151  
 cupric acetate TS, 2176  
 Strontium  
 acetate, 2151  
 chloride Sr 89 injection, 5919  
 hydroxide, 2151  
 Strychnine sulfate, 2152  
 Styrene-divinylbenzene  
 anion-exchange resin, 50- to 100-mesh,  
 2152  
 cation-exchange resin, strongly acidic,  
 2152  
 copolymer beads, 2152  
 Subvisible particulate matter in therapeutic  
 protein injections (787), 605  
 Succinic acid, 2152, 7574  
 Succinylcholine chloride, 5920, 8156  
 injection, 5922  
 for injection, 5922, 8158  
 Sucralfate, 5923  
 tablets, 5925  
 Sucralose, 7575

Sucrose, 7576  
 octaacetate, 7578  
 palmitate, 7578  
 stearate, 7580

Sudan  
 III, 2152  
 III TS, 2176  
 IV, 2152  
 IV TS, 2176

Sufentanil citrate, 5925  
 injection, 5926

Sugar  
 compressible, 7581  
 confectioner's, 7582  
 free suspension structured vehicle, 7587  
 injection, invert, 5927  
 invert injection type 1, and multiple electrolytes, 3673, 8662  
 invert injection type 2, and multiple electrolytes, 3675, 8663  
 invert injection type 3, and multiple electrolytes, 3676, 8665  
 spheres, 7583

Sulbactam  
 and ampicillin for injection, 2547  
 sodium, 5927

Sulconazole nitrate, 5929, 8826

Sulfa  
 vaginal cream, triple, 5929  
 vaginal inserts, triple, 5930

Sulfabenzamide, 5931

Sulfacetamide, 5931  
 sodium, 5933  
 sodium ophthalmic ointment, 5934  
 sodium ophthalmic solution, 5935  
 sodium and prednisolone acetate ophthalmic ointment, 5937  
 sodium and prednisolone acetate ophthalmic suspension, 5938  
 sodium topical suspension, 5936

Sulfachlorpyridazine, 5939

Sulfadiazine, 5940  
 cream, silver, 5943  
 silver, 5941  
 sodium, 5943  
 sodium injection, 5944  
 tablets, 5941

Sulfadimethoxine, 5944  
 sodium, 5946  
 soluble powder, 5945  
 oral suspension, 5945  
 tablets, 5946

Sulfadoxine, 5947  
 and pyrimethamine tablets, 5947

Sulfamerazine, 2152

Sulfamethazine, 5948  
 and chlortetracycline bisulfates soluble powder, 3132  
 granulated, 5949

Sulfamethizole, 5949  
 oral suspension, 5950  
 tablets, 5951

Sulfamethoxazole, 5951  
 oral suspension, 5952  
 tablets, 5953  
 and trimethoprim injection, 5954  
 and trimethoprim oral suspension, 5955, 8828  
 and trimethoprim tablets, 5956

Sulfamic acid, 2152

Sulfanilamide, 2152

Sulfanilic  
 acid, 2152  
 acid, diazotized TS, 2176  
 acid TS, 2176

1-naphthylamine TS, 2176  
 $\alpha$ -naphthylamine TS, 2176

Sulfapyridine, 5957  
 tablets, 5958

Sulfaquinoxaline, 5958  
 oral solution, 5959

Sulfasalazine, 5960  
 tablets, 5961  
 delayed-release tablets, 5961

Sulfatase enzyme preparation, 2152

Sulfate  
 acid, ferrous, TS, 2170  
 and chloride (221), 261  
 ferrous, TS, 2170  
 magnesium, TS, 2172  
 mercuric, TS, 2172  
 potassium, 2138  
 potassium, TS, 2174  
 in reagents, 2083  
 strychnine, 2152

Sulfathiazole, 5962  
 sodium, 2152

Sulfipyrazone, 5962  
 capsules, 5963  
 tablets, 5964

Sulfisoxazole, 5965  
 acetyl, 5965  
 acetyl and erythromycin estolate oral suspension, 3754  
 acetyl and erythromycin ethylsuccinate for oral suspension, 3760  
 acetyl oral suspension, 5966  
 tablets, 5965

Sulfomolybdic acid TS, 2176

Sulfonic acid cation-exchange resin, 2152

2-(4-Sulfophenylazo)-1,8-dihydroxy-3,6-naphthalenedisulfonic acid, trisodium salt, 2163

Sulfosalicylic acid, 2152

Sulfur, 2152  
 dioxide, 7584  
 dioxide detector tube, 2152  
 ointment, 5967  
 precipitated, 5966  
 and resorcinol topical suspension, 5690  
 sublimed, 5967

Sulfur dioxide (525), 361

Sulfuric acid, 2152, 7585  
 diluted, 2152  
 fluorometric, 2152  
 fuming, 2152  
 half-normal (0.5 N) in alcohol, 2184  
 nitrogen free, 2153  
 normal (1 N), 2184  
 phenylhydrazine, TS, 2174  
 TS, 2176  
 0.02 N TS, 8457  
 6 N TS, 8458  
 7 N TS, 8458

Sulfuric acid-formaldehyde TS, 2176

Sulfurous acid, 2153

Sulindac, 5967, 8159  
 tablets, 5968, 8160

Sulisobenzone, 5969

Sumatriptan, 5969  
 nasal spray, 5971  
 injection, 5971  
 succinate, 5975  
 succinate oral suspension, 5976, 8830  
 tablets, 5973, 8162

Sunflower oil, 2153, 7585

Supplemental information for articles of botanical origin (2030), 2034

Supports for gas chromatography, 2153

---

## Suppositories

Acetaminophen, 2298, 8571  
 Aminophylline, 2482  
 Aspirin, 2605  
 Bisacodyl, 2770  
 Chlorpromazine, 3127  
 Ergotamine tartrate and caffeine, 3740  
 Glycerin, 4135  
 Indomethacin, 4310  
 Miconazole nitrate vaginal, 4879  
 Morphine sulfate, 4945, 8737  
 Nystatin vaginal, 5115  
 Oxymorphone hydrochloride, 5236, 8760  
 Prochlorperazine, 5539  
 Progesterone vaginal, 5548, 8782  
 Promethazine hydrochloride, 5556  
 Thiethylperazine maleate, 6113

---

Suprofen, 5977  
 ophthalmic solution, 5978

---

## Suspension

Acetaminophen and codeine phosphate oral, 2316  
 Acetaminophen oral, 2298  
 Acetazolamide oral, 2326, 8572  
 Acyclovir oral, 2342  
 Albendazole oral, 2351  
 Allopurinol oral, 2380, 8572  
 Alprazolam oral, 2387, 8573  
 Alumina, magnesium, and calcium carbonate oral, 2408  
 Alumina and magnesia oral, 2406  
 Alumina, magnesia, and simethicone oral, 2412  
 Alumina and magnesium carbonate oral, 2415  
 Alumina and magnesium trisilicate oral, 2418  
 Amoxicillin and clavulanate potassium for oral, 2526  
 Amoxicillin for oral, 2523  
 Amoxicillin for injectable, 2522  
 Amoxicillin oral, 2522  
 Amoxicillin tablets for oral, 2524  
 Ampicillin for injectable, 2542  
 Ampicillin for oral, 2543  
 Ampicillin and probenecid for oral, 2545  
 Atenolol compounded oral, 2622  
 Atenolol compounded oral, veterinary, 2622  
 Atovaquone oral, 2633  
 Aurothioglucose injectable, 2644  
 Azathioprine oral, 2649, 8583  
 Azithromycin for oral, 2661  
 Baclofen oral, 2679, 8585  
 Barium sulfate, 2687  
 Barium sulfate for, 2687  
 Benazepril hydrochloride compounded oral, veterinary, 2697  
 Betamethasone sodium phosphate and betamethasone acetate injectable, 2745  
 Bethanechol chloride oral, 2754, 8586  
 Bisacodyl rectal, 2771  
 Bismuth subsalicylate oral, 2779, 8587  
 Brinzolamide ophthalmic, 2789  
 Calamine topical, 2849

**Suspension** (continued)

- Calamine topical, phenolated, 2849  
 Calcium carbonate oral, 2867  
 Calcium and magnesium carbonates oral, 2872  
 Captopril oral, 2910, 8588  
 Carbamazepine oral, 2916  
 Cefaclor for oral, 2973  
 Cefadroxil for oral, 2979  
 Cefdinir for oral, 2994  
 Cefixime for oral, 3002  
 Cefpodoxime proxetil for oral, 3030  
 Cefprozil for oral, 3035  
 Cefuroxime axetil for oral, 3049  
 Cellulose sodium phosphate for oral, 3055  
 Cephalixin for oral, 3058  
 Cephradine for oral, 3069  
 Chloramphenicol and hydrocortisone acetate for ophthalmic, 3088  
 Chloramphenicol palmitate oral, 3090  
 Chlorothiazide oral, 3118, 8595  
 Cholestyramine for oral, 3141  
 Chromic phosphate P 32, 5394  
 Clotripirox olamine topical, 3150  
 Ciprofloxacin and dexamethasone otic, 3168  
 Clarithromycin for oral, 3195  
 Clavulanate potassium and amoxicillin for oral, 2526  
 Clindamycin phosphate topical, 3216  
 Clonazepam oral, 3237, 8602  
 Clopidogrel compounded oral, 3249  
 Colestipol hydrochloride for oral, 3288  
 Colistin and neomycin sulfates and hydrocortisone acetate otic, 3291  
 Colistin sulfate for oral, 3291  
 Cortisone acetate injectable, 3316  
 Demeclocycline oral, 3379  
 Desoxycorticosterone pivalate injectable, 3397  
 Dexamethasone acetate injectable, 3404  
 Dexamethasone ophthalmic, 3401  
 Diazoxide oral, 3448  
 Dicloxacillin sodium for oral, 3468  
 Didanosine tablets for oral, 3476  
 Diltiazem hydrochloride oral, 3510, 8625  
 Dipyridamole oral, 3544, 8627  
 Dolasetron mesylate oral, 3579, 8638  
 Doxycycline calcium oral, 3614  
 Doxycycline compounded oral, veterinary, 3615  
 Doxycycline for oral, 3612  
 Enalapril maleate compounded oral, veterinary, 3683  
 Erythromycin estolate for oral, 3753  
 Erythromycin estolate oral, 3753  
 Erythromycin estolate and sulfisoxazole acetyl oral, 3754  
 Erythromycin ethylsuccinate for oral, 3757  
 Erythromycin ethylsuccinate oral, 3757  
 Erythromycin ethylsuccinate and sulfisoxazole acetyl for oral, 3760  
 Estrone injectable, 3800  
 Famotidine for oral, 3851  
 Ferumoxsil oral, 3894  
 Flucytosine oral, 3937, 8669  
 Fluorometholone ophthalmic, 3967, 8067  
 Furazolidone oral, 4058  
 Ganciclovir oral, 4093, 8672  
 Gentamicin and prednisolone acetate ophthalmic, 4110  
 Griseofulvin oral, 4160  
 Hydrocortisone acetate injectable, 4227  
 Hydrocortisone acetate ophthalmic, 4227  
 Hydrocortisone injectable, 4221  
 Hydrocortisone rectal, 4222  
 Hydroxyzine pamoate oral, 4257  
 Ibuprofen oral, 4268  
 Imipenem and cilastatin for injectable, 4283  
 Indomethacin oral, 4312  
 Isothane insulin human, 4330  
 Human insulin isophane and human insulin injection, 4327  
 Isothane insulin, 4329, 8688  
 Insulin zinc, 4334, 8691  
 Insulin zinc, extended, 4334, 8692  
 Insulin zinc, prompt, 4335, 8694  
 Isoflupredone acetate injectable, 4403  
 Ketoconazole oral, 4462, 8702  
 Labetalol hydrochloride oral, 4474, 8703  
 Lamotrigine compounded oral, 4493  
 Lansoprazole compounded oral, 4502  
 Loracarbef for oral, 4609  
 Magaldrate and simethicone oral, 4644  
 Magaldrate oral, 4643  
 Magnesium carbonate and sodium bicarbonate for oral, 4649  
 Mebendazole oral, 4684  
 Medroxyprogesterone acetate injectable, 4697  
 Megestrol acetate oral, 4703  
 Meloxicam oral, 4710  
 Meprobamate oral, 4734  
 Mesalamine rectal, 4746  
 Methacycline hydrochloride oral, 4777  
 Methadone hydrochloride tablets for oral, 4780  
 Methenamine mandelate oral, 4790  
 Methyldopa oral, 4817  
 Methylprednisolone acetate injectable, 4836  
 Metolazone oral, 4849, 8722  
 Metoprolol tartrate oral, 4857, 8723  
 Metronidazole benzoate compounded oral, 4864  
 Minocycline hydrochloride oral, 4890  
 Nalidixic acid oral, 4981  
 Naproxen oral, 4993  
 Natamycin ophthalmic, 5004  
 Neomycin and polymyxin B sulfates and dexamethasone ophthalmic, 5033  
 Neomycin and polymyxin B sulfates and hydrocortisone otic, 5035  
 Neomycin and polymyxin B sulfates and hydrocortisone acetate ophthalmic, 5036  
 Neomycin and polymyxin B sulfates and hydrocortisone ophthalmic, 5035  
 Neomycin and polymyxin B sulfates and prednisolone acetate ophthalmic, 5038  
 Neomycin sulfate and hydrocortisone otic, 5019  
 Neomycin sulfate and hydrocortisone acetate ophthalmic, 5020  
 Neomycin sulfate and prednisolone acetate ophthalmic, 5039  
 Nevirapine oral, 5044  
 Nitrofurantoin oral, 5078  
 Nystatin for oral, 5116  
 Nystatin oral, 5115  
 Ondansetron hydrochloride oral, 5152, 8758  
 Oxefendazole oral, 5207  
 Oxytetracycline and nystatin for oral, 5239  
 Oxytetracycline calcium oral, 5240  
 Oxytetracycline hydrochloride and hydrocortisone acetate ophthalmic, 5242  
 Pantoprazole oral, 5266  
 Penicillin G benzathine injectable, 5300  
 Penicillin G benzathine and penicillin G procaine injectable, 5302  
 Penicillin G benzathine oral, 5301  
 Penicillin G, neomycin, polymyxin B, hydrocortisone acetate, and hydrocortisone sodium succinate topical, 5298  
 Penicillin G procaine, dihydrostreptomycin sulfate, chlorpheniramine maleate, and dexamethasone injectable, 5313  
 Penicillin G procaine and dihydrostreptomycin sulfate injectable, 5312  
 Penicillin G procaine, dihydrostreptomycin sulfate, and prednisolone injectable, 5315  
 Penicillin G procaine, neomycin and polymyxin B sulfates, and hydrocortisone acetate topical, 5315  
 Penicillin G procaine injectable, 5310  
 Penicillin G procaine for injectable, 5311  
 Penicillin V benzathine oral, 5322  
 Penicillin V for oral, 5320  
 Perflutren protein-type A microspheres injectable, 5340  
 Pergolide, oral, veterinary, 5343, 8765  
 Phenoxybenzamine hydrochloride compounded oral, 5366  
 Phenytoin oral, 5385  
 Phosphate P 32, chromic, 5394  
 Piroxicam compounded oral, 5437  
 Prednisolone acetate injectable, 5506  
 Prednisolone acetate ophthalmic, 5506  
 Prednisolone compounded oral, veterinary, 5507  
 Prednisone injectable, 5515  
 Prednisolone tebutate injectable, 5513  
 Primidone oral, 5524  
 Progesterone injectable, 5547  
 Propoxyphene napsylate oral, 5586  
 Propylidone injectable oil, 5598  
 Psyllium hydrophilic mucilloid for oral, 5613  
 Pyrantel pamoate oral, 5616  
 Pyrvinium pamoate oral, 5630  
 Quinidine sulfate oral, 5649, 8794  
 Ractopamine hydrochloride, 5660  
 Resorcinol and sulfur topical, 5690  
 Rifampin oral, 5705, 8800  
 Rimexolone ophthalmic, 5714, 8143  
 Selenium sulfide topical, 5825  
 Simethicone oral, 5846  
 Sodium polystyrene sulfonate, 5888  
 Spectinomycin for injectable, 5904  
 Spironolactone compounded oral, 5905  
 Structured vehicle, 7587  
 Structured vehicle, sugar-free, 7587  
 Sulfacetamide sodium and prednisolone acetate ophthalmic, 5938  
 Sulfacetamide sodium topical, 5936  
 Sulfadimethoxine oral, 5945  
 Sulfamethizole oral, 5950  
 Sulfamethoxazole oral, 5952  
 Sulfamethoxazole and trimethoprim oral, 5955, 8828  
 Sulfisoxazole acetyl oral, 5966  
 Sumatriptan succinate oral, 5976, 8830  
 Temozolomide oral, 6043, 8841  
 Testosterone injectable, 6066  
 Tetracycline hydrochloride ophthalmic, 6087  
 Tetracycline hydrochloride oral, 6087, 8843  
 Tetracycline oral, 6079  
 Thiabendazole oral, 6106

**Suspension** (continued)

Thioridazine oral, 6124  
 Tobramycin and dexamethasone ophthalmic, 6178  
 Tobramycin and fluorometholone acetate ophthalmic, 6179  
 Topiramate compounded oral, 6204  
 Triamcinolone acetonide injectable, 6239  
 Triamcinolone diacetate injectable, 6241  
 Triamcinolone hexacetonide injectable, 6242  
 Triflupromazine oral, 6261  
 Trisulfapyrimidines oral, 6281  
 Vehicle for oral, 7429  
 Verapamil hydrochloride oral, 6351, 8859  
 Zinc sulfide topical, 6431

Suspension structured vehicle, 7587  
 sugar-free, 7587

Suture  
 absorbable surgical, 5978  
 nonabsorbable surgical, 5980

Sutures  
 diameter <861>, 730  
 needle attachment <871>, 731

**Syrup**

Acacia, 7137  
 Calcium glubionate, 2875  
 Cherry, 7242  
 Chlorpromazine hydrochloride, 3129  
 Chocolate, 7248  
 Corn, 7256  
 Corn, solids, 7263  
 High fructose corn, 7260  
 Docusate sodium, 3574  
 Ferrous sulfate, 3890  
 Orange, 7430  
 Perphenazine, 5347  
 Piperazine citrate, 5432  
 Promazine hydrochloride, 5554  
 Syrup, 7587  
 Tolu balsam, 7590

**T**

Tablet breaking force <1217>, 1610  
 Tablet friability <1216>, 1609

**Tablets**

Abacavir, 7567  
 Abiraterone acetate, 2286  
 Acepromazine maleate, 2293  
 Acetaminophen, 2299  
 Containing at least three of the following—acetaminophen and (salts of) chlorpheniramine, dextromethorphan, and pseudoephedrine, 2310  
 Acetaminophen and aspirin, 2301  
 Acetaminophen, aspirin, and caffeine, 2302

Acetaminophen and caffeine, 2303, 7979  
 Acetaminophen, chlorpheniramine maleate, and dextromethorphan hydrobromide, 2312  
 Acetaminophen and codeine phosphate, 2317  
 Acetaminophen and diphenhydramine citrate, 2319  
 Acetaminophen, diphenhydramine hydrochloride, and pseudoephedrine hydrochloride, 2320  
 Acetaminophen extended-release, 2300  
 Acetaminophen and hydrocodone bitartrate, 4214  
 Acetaminophen and pseudoephedrine hydrochloride, 2322  
 Acetaminophen and tramadol hydrochloride, 2323  
 Acetazolamide, 2327, 7982  
 Acetohexamide, 2329  
 Acetohydroxamic acid, 2330  
 Acyclovir, 2342  
 Albendazole, 2351  
 Albuterol, 2353  
 Albuterol extended-release, 2354  
 Alendronate sodium, 2368  
 Alfuzosin hydrochloride extended-release, 2372  
 Allopurinol, 2380  
 Almotriptan, 2384  
 Alprazolam, 2388  
 Alprazolam extended-release, 2389, 7986  
 Alprazolam orally disintegrating, 2393  
 Alumina and magnesia, 2407  
 Alumina, magnesia, and calcium carbonate chewable, 2409  
 Alumina, magnesia, calcium carbonate, and simethicone chewable, 2410  
 Alumina, magnesia, and simethicone chewable, 2414  
 Alumina and magnesium carbonate, 2416  
 Alumina, magnesium carbonate, and magnesium oxide, 2417  
 Alumina and magnesium trisilicate, 2419  
 Aluminum hydroxide gel, dried, 2429  
 Aluminum sulfate and calcium acetate for topical solution, 2434  
 Amiloride hydrochloride, 2461  
 Amiloride hydrochloride and hydrochlorothiazide, 2463  
 Aminobenzoate potassium, 2467  
 Aminocaproic acid, 2472  
 Aminoglutethimide, 2474  
 Aminopentamide sulfate, 2478  
 Aminophylline, 2483  
 Aminophylline delayed-release, 2484  
 Aminosalicylate sodium, 2486  
 Aminosalicyclic acid, 2489  
 Amitriptyline hydrochloride, 2496  
 Amlodipine and valsartan, 2500  
 Amlodipine besylate, 2507  
 Amlodipine, valsartan and hydrochlorothiazide, 2503  
 Ammonium chloride delayed-release, 2510  
 Amodiaquine hydrochloride, 2516  
 Amoxapine, 2517  
 Amoxicillin, 2523  
 Amoxicillin and clavulanic acid extended-release, 2527, 7993  
 Amoxicillin and clavulanate potassium, 2526  
 Amphetamine sulfate, 2531  
 Ampicillin, 2544  
 Anastrozole, 2555  
 Anileridine hydrochloride, 2559

Apomorphine hydrochloride, 2577  
 Arginine, 6465  
 Aripiprazole, 2590  
 Aripiprazole orally disintegrating, 2592  
 Ascorbic acid, 2600  
 Aspirin, 2606  
 Aspirin, alumina, and magnesia, 2610  
 Aspirin, alumina, and magnesium oxide, 2611  
 Aspirin, buffered, 2607  
 Aspirin and codeine phosphate, 2615  
 Aspirin, codeine phosphate, alumina, and magnesia, 2616  
 Aspirin delayed-release, 2608  
 Aspirin effervescent, for oral solution, 2609  
 Aspirin extended-release, 2609  
 Astemizole, 2618  
 Atenolol, 2621  
 Atenolol and chlorthalidone, 2623  
 Atropine sulfate, 2642  
 Azatadine maleate, 2647  
 Azathioprine, 2650  
 Azithromycin, 2662  
 Baclofen, 2679  
 Barium sulfate, 2688  
 Belladonna extract, 2693  
 Benazepril hydrochloride, 2696  
 Bendroflumethiazide, 2699  
 Benzotropine mesylate, 2726  
 Betamethasone, 2736  
 Betaxolol, 2750  
 Bethanechol chloride, 2754  
 Bicalutamide, 2757  
 Biotin, 2765  
 Biperiden hydrochloride, 2767  
 Bisacodyl delayed-release, 2771  
 Bismuth subsalicylate, 2780  
 Bisoprolol fumarate, 2782  
 Bisoprolol fumarate and hydrochlorothiazide, 2783  
 Black cohosh, 6509  
 Bromocriptine mesylate, 2793  
 Brompheniramine maleate, 2798  
 Bumetanide, 2805  
 Bupropion hydrochloride, 2812  
 Bupropion hydrochloride extended-release, 2813  
 Buspirone hydrochloride, 2821, 8012  
 Busulfan, 2822  
 Butabarbital sodium, 2825  
 Butalbital, acetaminophen, and caffeine, 2828  
 Butalbital and aspirin, 2829  
 Butalbital, aspirin, and caffeine, 2832  
 Cabergoline, 2843  
 Calcium acetate, 2863  
 Calcium carbonate, 2868  
 Calcium carbonate, magnesia, and simethicone chewable, 2870  
 Calcium citrate, 6521  
 Calcium gluconate, 2880  
 Calcium L-5-methyltetrahydrofolate, 6527, 7920  
 Calcium lactate, 2883  
 Calcium and magnesium carbonates, 2872  
 Calcium pantothenate, 2886  
 Calcium phosphate, dibasic, 2891  
 Calcium with vitamin D, 6529  
 Calcium and vitamin D with minerals, 6530  
 Candesartan cilexetil, 8016  
 Candesartan cilexetil and hydrochlorothiazide, 2895  
 Capecitabine, 2900  
 Captopril, 2911

**Tablets** (continued)

- Captopril and hydrochlorothiazide, 2912  
 Carbamazepine, 2917, 8589  
 Carbamazepine extended-release, 2920  
 Carbenicillin indanyl sodium, 2923  
 Carbidopa and levodopa, 2925  
 Levodopa and carbidopa extended-release, 2926, 8018  
 Carbidopa and levodopa orally disintegrating, 2930, 8023  
 Carbinoxamine maleate, 2933  
 Calcium carbonate and magnesium chewable, 2869  
 Carboxymethylcellulose sodium, 2943  
 Carisoprodol, 2944  
 Carisoprodol, aspirin, and codeine phosphate, 2947  
 Carisoprodol and aspirin, 2946  
 Carprofen, 2954  
 Carteolol hydrochloride, 2957  
 Carvedilol, 2961  
 Cascara, 2967  
 Cat's claw, 6540  
 Cefaclor chewable, 2974  
 Cefaclor extended-release, 2975  
 Cefadroxil, 2980  
 Cefixime, 3003  
 Cefpodoxime proxetil, 3031  
 Cefprozil, 3036  
 Cefuroxime axetil, 3050  
 Cephalixin, 3058  
 Cephalixin, for oral suspension, 3059  
 Cephadrine, 3069  
 Cetirizine hydrochloride, 3073  
 Cetirizine hydrochloride orally disintegrating, 8591  
 Cetrizine hydrochloride and pseudoephedrine hydrochloride extended-release, 3075  
 Chlorambucil, 3083  
 Chloramphenicol, 3088  
 Chlordiazepoxide, 3093  
 Chlordiazepoxide and amitriptyline hydrochloride, 3094  
 Chloroquine phosphate, 3116  
 Chlorothiazide, 3118, 8596  
 Chlorpheniramine maleate, 3124  
 Chlorpromazine hydrochloride, 3130  
 Chlorpropamide, 3131  
 Chlortetracycline hydrochloride, 3134  
 Chlorthalidone, 3135  
 Chlorzoxazone, 3137  
 Chondroitin sulfate sodium, 6569  
 Chromium picolinate, 6573  
 Cilostazol, 3153  
 Cimetidine, 3156  
 Ciprofloxacin, 3164  
 Ciprofloxacin extended-release, 3165  
 Citalopram, 3182  
 Clarithromycin, 3195, 8029  
 Clarithromycin extended-release, 3197  
 Clemastine fumarate, 3204, 8031  
 Clomiphene citrate, 3233  
 Clonazepam, 3237  
 Clonazepam orally disintegrating, 3238  
 Clonidine hydrochloride, 3242  
 Clonidine hydrochloride and chlorthalidone, 3243  
 Clopidogrel, 3249  
 Clorazepate dipotassium, 3254  
 Clover, red, 6804  
 Clozapine, 3270  
 Cocaine hydrochloride, for topical solution, 3274  
 Codeine phosphate, 3280  
 Codeine sulfate, 3283, 8603  
 Colchicine, 3286  
 Colestipol hydrochloride, 3288  
 Cortisone acetate, 3316  
 Curcuminoids, 6585  
 Cyanocobalamin, 3330, 8034  
 Cyclizine hydrochloride, 3332  
 Cyclobenzaprine hydrochloride, 3336, 8605  
 Cyclophosphamide, 3342  
 Cyproheptadine hydrochloride, 3352  
 Dapsone, 3371  
 Dehydrocholic acid, 3376  
 Demeclocycline hydrochloride, 3380  
 Desipramine hydrochloride, 3384  
 Desloratadine, 8609  
 Desloratadine orally disintegrating, 8611  
 Desogestrel and ethinyl estradiol, 3390  
 Dexamethasone, 3402  
 Dexchlorpheniramine maleate, 3416  
 Dextroamphetamine sulfate, 3431  
 Diazepam, 3446  
 Dichlorphenamide, 3453  
 Diclofenac potassium, 3456  
 Diclofenac sodium and misoprostol delayed-release, 3462  
 Diclofenac sodium delayed-release, 3458  
 Diclofenac sodium extended-release, 3460  
 Dicyclomine hydrochloride, 3471  
 Didanosine, for oral suspension, 3476  
 Diethylcarbamazine citrate, 3479  
 Diethylpropion hydrochloride, 3481  
 Diethylstilbestrol, 3483  
 Diflunisal, 3486  
 Digitalis, 3489  
 Digitoxin, 3491  
 Digoxin, 3494  
 Dihydrotestosterone, 3500  
 Dihydroxyaluminum sodium carbonate chewable, 3503  
 Diltiazem hydrochloride, 3510, 8040  
 Dimenhydrinate, 3513  
 Diphenhydramine citrate and ibuprofen, 3523  
 Diphenhydramine and phenylephrine hydrochloride, 3533  
 Diphenoxylate hydrochloride and atropine sulfate, 3538  
 Dipyridamole, 3545  
 Dirithromycin delayed-release, 3547  
 Disulfiram, 3550  
 Divalproex sodium delayed-release, 3554  
 Divalproex sodium extended-release, 3555, 8043, 8628  
 Docusate sodium, 3575  
 Dolasetron mesylate, 3580, 8638  
 Donepezil hydrochloride, 3583  
 Donepezil hydrochloride orally disintegrating, 3585  
 Doxazosin, 3598  
 Doxycycline, 3613  
 Doxycycline hyclate, 3619  
 Doxycycline hyclate delayed-release, 3621  
 Doxylamine succinate, 3625  
 Dronedarone, 8053  
 Drospirenone and ethinyl estradiol, 3631, 8054  
 Dydrogesterone, 3643  
 Dyphylline, 3645  
 Dyphylline and guaifenesin, 3646  
 Efavirenz, 3661  
 Enalapril maleate, 3684  
 Enalapril maleate and hydrochlorothiazide, 3686  
 Entacapone, 3702  
 Entecavir, 3705  
 Ergocalciferol, 3728  
 Ergoloid mesylates, 3731  
 Ergoloid mesylates sublingual, 3732  
 Ergonovine maleate, 3734  
 Ergotamine tartrate, 3738  
 Ergotamine tartrate and caffeine, 3741  
 Ergotamine tartrate sublingual, 3739  
 Erythromycin, 3750  
 Erythromycin delayed-release, 3751  
 Erythromycin estolate, 3754  
 Erythromycin ethylsuccinate, 3758  
 Erythromycin stearate, 3764  
 Escitalopram, 3767  
 Estazolam, 3776  
 Estradiol, 3784  
 Estradiol and norethindrone acetate, 3785  
 Estrogens, conjugated, 3795  
 Estrogens, esterified, 3799  
 Estropipate, 3803  
 Eszopiclone, 3805  
 Ethacrynic acid, 3808  
 Ethambutol hydrochloride, 3810  
 Ethinyl estradiol, 3815  
 Ethionamide, 3817  
 Ethotoin, 3823  
 Ethynodiol diacetate and ethinyl estradiol, 3825  
 Ethynodiol diacetate and mestranol, 3825  
 Etidronate disodium, 3828  
 Etodolac, 3830  
 Etodolac extended-release, 3830  
 Ezetimibe, 3842  
 Famotidine, 3852  
 Felbamate, 3857  
 Felodipine extended-release, 3860  
 Fenofibrate, 3869  
 Fenoprofen calcium, 3875  
 Ferrous fumarate, 3881  
 Ferrous fumarate and docusate sodium extended-release, 3882  
 Ferrous gluconate, 3887  
 Ferrous sulfate, 3890  
 Fexofenadine hydrochloride, 3899  
 Fexofenadine hydrochloride and pseudoephedrine hydrochloride extended-release, 3901  
 Finasteride, 3913  
 Flavoxate hydrochloride, 3915  
 Flecainide acetate, 3918  
 Fluconazole, 3934  
 Fludrocortisone acetate, 3943  
 Fluoxetine, 3976  
 Fluoxymesterone, 3980  
 Flurbiprofen, 3993  
 Fluvoxamine maleate, 4031  
 Folic acid, 4034  
 Fosinopril sodium, 4048  
 Fosinopril sodium and hydrochlorothiazide, 4049  
 Furazolidone, 4058  
 Furosemide, 4061  
 Gabapentin, 4065  
 Galantamine, 4085, 8670  
 Garlic delayed-release, 6660  
 Gemfibrozil, 4101, 8069  
 Ginkgo, 6675  
 Ginseng, American, 6458  
 Ginseng, Asian, 6474  
 Glimepiride, 4114  
 Glipizide, 4118  
 Glipizide and metformin hydrochloride, 4119  
 Glucosamine, 6680



**Tablets** (continued)

- Glucosamine and chondroitin sodium sulfate, 6677  
 Glucosamine, chondroitin sulfate sodium, and methylsulfonylmethane, 6684  
 Glucosamine and methylsulfonylmethane, 6683  
 Glyburide, 4128  
 Glyburide and metformin hydrochloride, 4130, 8070  
 Glycopyrrolate, 4139  
 Granisetron hydrochloride, 4155  
 Griseofulvin, 4160  
 Griseofulvin, ultramicrosize, 4161  
 Guaifenesin, 4165  
 Guanabenz acetate, 4170  
 Guanethidine monosulfate, 4171  
 Guanfacine, 4172  
 Guggul, 6702  
 Halazone for solution, 4175  
 Haloperidol, 4183  
 Homatropine methylbromide, 4202  
 Hydralazine hydrochloride, 4207  
 Hydrochlorothiazide, 4212  
 Hydrochlorothiazide and amloride hydrochloride, 2463  
 Hydrocodone bitartrate, 4214  
 Hydrocodone bitartrate and acetaminophen, 4214  
 Hydrocodone bitartrate and homatropine methylbromide, 4215  
 Hydrocortisone, 4222  
 Hydroflumethiazide, 4236  
 Hydromorphone hydrochloride, 4243  
 Hydroxychloroquine sulfate, 4248  
 Hydroxyzine hydrochloride, 4254  
 Hyoscyamine, 4258  
 Hyoscyamine sulfate, 4263  
 Ibuprofen, 4269, 8680  
 Ibuprofen and pseudoephedrine hydrochloride, 4270  
 Imipramine hydrochloride, 4286  
 Indapamide, 4294  
 Iodoquinol, 4359  
 Iopanoic acid, 4368, 8696  
 Irbesartan, 4387  
 Irbesartan and hydrochlorothiazide, 4388  
 Isoniazid, 4410  
 Isopropamide iodide, 4411  
 Isoproterenol hydrochloride, 4417  
 Isosorbide dinitrate chewable, 4425  
 Isosorbide dinitrate extended-release, 4426  
 Isosorbide dinitrate sublingual, 4427  
 Isosorbide mononitrate, 4429  
 Isosorbide mononitrate extended-release, 4431  
 Isoxsuprine hydrochloride, 4441  
 Ivermectin, 4449  
 Ivermectin and pyrantel pamoate, 4452  
 Ketoconazole, 4463  
 Ketorolac tromethamine, 4470  
 Labetalol hydrochloride, 4475  
 Lamivudine, 4482  
 Lamivudine and zidovudine, 4484  
 Lamotrigine, 4487  
 Lamotrigine extended-release, 4490  
 Lamotrigine, for oral suspension, 4491  
 Leflunomide, 4506  
 Letrozole, 4508  
 Leucovorin calcium, 4512  
 Levamisole hydrochloride, 4520  
 Levetiracetam, 4526  
 Levetiracetam extended-release, 4527  
 Levocarnitine, 4538  
 Levocetirizine dihydrochloride, 4541, 8705  
 Levodopa, 4544  
 Levofloxacin, 4548  
 Levonorgestrel and ethinyl estradiol, 4552  
 Levorphanol tartrate, 4554  
 Levthyroxine sodium, 4557  
 Liothyronine sodium, 4577  
 Liotrix, 4577  
 Lipoic acid, alpha, 6733  
 Lisinopril, 4580  
 Lisinopril and hydrochlorothiazide, 4582  
 Lithium carbonate, 4586  
 Lithium carbonate extended-release, 4587  
 Loperamide hydrochloride, 4596  
 Lopinavir and ritonavir, 4604  
 Loratadine, 4613  
 Loratadine chewable, 4614  
 Loratadine orally disintegrating, 4616  
 Lorazepam, 4622  
 Losartan potassium, 4625, 8083  
 Losartan potassium and hydrochlorothiazide, 4628  
 Lovastatin, 4632  
 Lysine hydrochloride, 6742  
 Magaldrate, 4643  
 Magaldrate and simethicone chewable, 4645  
 Magnesia, 4646  
 Magnesium gluconate, 4655  
 Magnesium oxide, 4659  
 Magnesium salicylate, 4662  
 Magnesium trisilicate, 4667  
 Maprotiline hydrochloride, 4680  
 Mazindol, 4682  
 Mebendazole, 4685  
 Mecamylamine hydrochloride, 4688  
 Meclizine hydrochloride, 4692  
 Medroxyprogesterone acetate, 4697  
 Mefloquine hydrochloride, 4701  
 Megestrol acetate, 4704  
 Melatonin, 6751  
 Meloxicam, 4711  
 Melphalan, 4713  
 Memantine hydrochloride, 4716, 8087  
 Menadiol sodium diphosphate, 4720  
 Menaquinone-7, 6756  
 Meperidine hydrochloride, 4725  
 Mephenytoin, 4727  
 Mephobarbital, 4728  
 Meprobamate, 4734  
 Mercaptopurine, 4738  
 Mesalamine delayed-release, 4748  
 Mesoridazine besylate, 4753  
 Metaproterenol sulfate, 4759  
 Metaxalone, 4762  
 Metformin hydrochloride, 4765  
 Metformin hydrochloride extended-release, 4766, 8092  
 Methadone hydrochloride, 4779  
 Methamphetamine hydrochloride, 4781  
 Methazolamide, 4783  
 Methdilazine hydrochloride, 4785  
 Methenamine, 4787  
 Methenamine hippurate, 4788  
 Methenamine mandelate, 4791  
 Methenamine mandelate delayed-release, 4791  
 Methimazole, 4793  
 Methocarbamol, 4796  
 Methotrexate, 4802  
 Methscopolamine bromide, 4808  
 Methyclothiazide, 4811  
 Methylcellulose, 4816  
 Methylcobalamin, 8533  
 Methylodopa, 4818  
 Methylodopa and chlorothiazide, 4818  
 Methylodopa and hydrochlorothiazide, 4819  
 Methylergonovine maleate, 4826  
 Methylphenidate hydrochloride, 4828  
 Methylphenidate hydrochloride extended-release, 4829, 8718  
 Methylprednisolone, 4834  
 Methylsulfonylmethane, 6760  
 Methyltestosterone, 4842  
 Methysergide maleate, 4843  
 Metoclopramide, 4847  
 Metolazone, 4850  
 Metoprolol succinate extended-release, 4853  
 Metoprolol tartrate, 4858  
 Metoprolol tartrate and hydrochlorothiazide, 4858  
 Metronidazole, 4867  
 Metronidazole extended-release, 8725  
 Metyrapone, 4869  
 Midodrine hydrochloride, 4883  
 Milk thistle, 6767  
 Minerals, 6776  
 Minocycline hydrochloride, 4890  
 Minocycline hydrochloride extended-release, 4891, 8101  
 Minoxidil, 4897  
 Mirtazapine, 4900  
 Mirtazapine orally disintegrating, 4901  
 Mitotane, 4908  
 Modafinil, 4911  
 Memantine hydrochloride, 4915  
 Moexipril hydrochloride and hydrochlorothiazide, 4917  
 Molindone hydrochloride, 4920  
 Montelukast sodium, 4934, 8730  
 Montelukast sodium chewable, 4936, 8732  
 Moricizine hydrochloride, 4941  
 Mycophenolate mofetil, 4963  
 Mycophenolic acid delayed-release, 4967  
 Nabumetone, 4972  
 Nadolol, 4974  
 Nadolol and bendroflumethiazide, 4975  
 Nafacillin sodium, 4978  
 Nalidixic acid, 4982  
 Naltrexone hydrochloride, 4987  
 Naproxen, 4993  
 Naproxen delayed-release, 4995  
 Naproxen sodium, 4996  
 Naratriptan, 5000  
 Nateglinide, 5006  
 Nefazodone hydrochloride, 5008  
 Neomycin sulfate, 5012  
 Neostigmine bromide, 5040  
 Nevirapine, 5046  
 Niacin, 5049  
 Niacinamide, 5054  
 Niacin extended-release, 5050  
 Nifedipine extended-release, 5067, 8742  
 Nitrofurantoin, 5079  
 Nitroglycerin sublingual, 5084  
 Norethindrone, 5095  
 Norethindrone acetate, 5099  
 Norethindrone acetate and ethinyl estradiol, 5100  
 Norethindrone and ethinyl estradiol, 5096  
 Norethindrone and mestranol, 5097  
 Norfloxacin, 5103  
 Norgestimate and ethinyl estradiol, 5106  
 Norgestrel, 5108  
 Norgestrel and ethinyl estradiol, 5108  
 Nystatin, 5116  
 Ofloxacin, 5124  
 Olanzapine, 5128, 8749  
 Olanzapine orally disintegrating, 5131

**Tablets** (continued)

- Ondansetron, 5155  
 Ondansetron orally disintegrating, 5158  
 Orbifloxacin, 5162  
 Orphenadrine citrate, aspirin, and caffeine, 5172  
 Orphenadrine citrate extended-release, 5170  
 Oxandrolone, 5193  
 Oxaprozin, 5196  
 Oxazepam, 5199  
 Oxcarbazepine, 5204, 8110  
 Oxprenolol hydrochloride, 5208  
 Oxprenolol hydrochloride extended-release, 5209  
 Oxtriphylline, 5210  
 Oxtriphylline delayed-release, 5211, 8112  
 Oxtriphylline extended-release, 5212  
 Oxybutynin chloride, 5215  
 Oxybutynin chloride extended-release, 5216  
 Oxycodone and acetaminophen, 5227  
 Oxycodone and aspirin, 5228  
 Oxycodone hydrochloride, 5222  
 Oxycodone hydrochloride extended-release, 5223  
 Oxymetholone, 5233  
 Oxymorphone hydrochloride, 8761  
 Oxymorphone hydrochloride extended-release, 8763  
 Oxytetracycline, 5238  
 Pancreatin, 5259  
 Pancrelipase, 5262  
 Pantoprazole sodium delayed-release, 5269  
 Papain, for topical solution, 5273  
 Papaverine hydrochloride, 5275  
 Paroxetine, 5286  
 Paroxetine extended-release, 5287, 8121  
 Penbutolol sulfate, 5293  
 Penicillamine, 5297  
 Penicillin G benzathine, 5302  
 Penicillin G potassium, 5307  
 Penicillin V, 5320  
 Penicillin V potassium, 5323  
 Pentazocine and acetaminophen, 5326  
 Pentazocine and aspirin, 5327  
 Pentazocine and naloxone, 5329  
 Pentoxifylline extended-release, 5336  
 Pergolide, 5343  
 Perindopril erbumine, 8130  
 Perphenazine, 5348  
 Perphenazine and amitriptyline hydrochloride, 5348  
 Phenazopyridine hydrochloride, 5352  
 Phendimetrazine tartrate, 5354  
 Phenelzine sulfate, 5356  
 Phenmetrazine hydrochloride, 5358  
 Phenobarbital, 5360  
 Phentermine hydrochloride, 5369  
 Phenylbutazone, 5374  
 Phenylephrine hydrochloride, 5380  
 Phenytoin chewable, 5387  
 Phytonadione, 5398  
 Pilocarpine hydrochloride, 5402  
 Pimozide, 5406  
 Pindolol, 5408  
 Pioglitazone, 5411  
 Pioglitazone and glimepiride, 5412  
 Pioglitazone and metformin hydrochloride, 5416  
 Piperazine citrate, 5432  
 Potassium and sodium bicarbonates and citric acid effervescent, for oral solution, 5453  
 Potassium bicarbonate effervescent, for oral solution, 5452  
 Potassium bicarbonate and potassium chloride effervescent, for oral solution, 5452  
 Potassium chloride extended-release, 5459  
 Potassium chloride, potassium bicarbonate, and potassium citrate effervescent, for oral solution, 5462  
 Potassium citrate, 6790  
 Potassium citrate extended-release, 5465  
 Potassium gluconate, 5469  
 Potassium iodide, 5474  
 Potassium iodide delayed-release, 5474  
 Pravastatin sodium, 5492  
 Praziquantel, 5495  
 Prednisolone, 5504  
 Prednisone, 5516  
 Primaquine phosphate, 5522  
 Primidone, 5525  
 Probenecid, 5527  
 Probenecid and colchicine, 5527  
 Probucof, 5530  
 Procainamide hydrochloride, 5532  
 Procainamide hydrochloride extended-release, 5533  
 Prochlorperazine maleate, 5542, 8781  
 Procyclidine hydrochloride, 5544  
 Promazine hydrochloride, 5554  
 Promethazine hydrochloride, 5557, 8788  
 Propafenone hydrochloride, 5568  
 Propantheline bromide, 5571  
 Propoxyphene hydrochloride and acetaminophen, 5582  
 Propoxyphene napsylate, 5586  
 Propoxyphene napsylate and acetaminophen, 5587  
 Propoxyphene napsylate and aspirin, 5588  
 Propranolol hydrochloride, 5593  
 Propranolol hydrochloride and hydrochlorothiazide, 5594  
 Propylthiouracil, 5599  
 Protriptyline hydrochloride, 5603  
 Pseudoephedrine hydrochloride, 5606  
 Pseudoephedrine hydrochloride extended-release, 5607  
 Pyrazinamide, 5619  
 Pyridostigmine bromide, 5621  
 Pyridoxine hydrochloride, 5624  
 Pyrilamine maleate, 5626  
 Pyrimethamine, 5628  
 Pyrvinium pamoate, 5630  
 Quazepam, 5632  
 Quetiapine, 5635, 8139  
 Quinapril, 5642  
 Quinapril and hydrochlorothiazide, 5639  
 Quinidine gluconate extended-release, 5645  
 Quinidine sulfate, 5650  
 Quinidine sulfate extended-release, 5651  
 Quinine sulfate, 5656  
 Raloxifene hydrochloride, 5663  
 Ranitidine, 5672  
 Rauwolfia serpentina, 5676  
 Repaglinide, 5681  
 Reserpine, 5684  
 Reserpine and chlorothiazide, 5686  
 Reserpine and hydrochlorothiazide, 5687  
*Rhodiola rosea*, 7939  
 Ribavirin, 5694  
 Riboflavin, 5697  
 Rifampin, isoniazid, and pyrazinamide, 5707  
 Rifampin, isoniazid, pyrazinamide, and ethambutol hydrochloride, 5708  
 Riluzole, 5710  
 Rimantadine hydrochloride, 5712  
 Risedronate sodium, 5723  
 Risperidone, 5727  
 Risperidone orally disintegrating, 5729  
 Ritodrine hydrochloride, 5732  
 Ritonavir, 5742  
 Rizatriptan benzoate, 5750  
 Rizatriptan benzoate orally disintegrating, 5752  
 Ropinirole, 5756  
 Ropinirole extended-release, 8814  
 Rufinamide, 5769  
 Saccharin sodium, 5776  
 Salsalate, 5790  
 Scopolamine hydrobromide, 5814  
 Selegiline hydrochloride, 5821  
 Sennosides, 5829  
 Sertraline hydrochloride, 5834, 8817  
 Sildenafil, 8146  
 Simethicone, 5846  
 Simvastatin, 5848  
 Sitagliptin, 5852  
 Sodium bicarbonate, 5861  
 Sodium chloride, 5869  
 Sodium chloride and dextrose, 5870, 8151  
 Sodium chloride, for solution, 5869  
 Sodium fluoride, 5873  
 Sodium salicylate, 5890  
 Sotalol hydrochloride, 5901  
 Soy isoflavones, 6845  
 Spironolactone, 5907  
 Spironolactone and hydrochlorothiazide, 5908  
 Spirulina, 6850  
 Stanazolol, 5912  
 Sucralfate, 5925  
 Sulfadiazine, 5941  
 Sulfadimethoxine, 5946  
 Sulfadoxine and pyrimethamine, 5947  
 Sulfamethizole, 5951  
 Sulfamethoxazole, 5953  
 Sulfamethoxazole and trimethoprim, 5956  
 Sulfapyridine, 5958  
 Sulfasalazine, 5961  
 Sulfasalazine delayed-release, 5961  
 Sulfapyrazone, 5964  
 Sulfisoxazole, 5965  
 Sulindac, 5968, 8160  
 Sumatriptan, 5973, 8162  
 Tadalafil, 5993  
 Tamoxifen citrate, 5998  
 Telmisartan, 6035  
 Telmisartan and hydrochlorothiazide, 6036  
 Terazosin, 6045  
 Terbinafine, 6050  
 Terbutaline sulfate, 6057  
 Testolactone, 6065  
 Tetracycline hydrochloride, 6088  
 Tetracycline hydrochloride and novobiocin sodium, 6089  
 Tetracycline hydrochloride, novobiocin sodium, and prednisolone, 6089  
 Theophylline, 6100  
 Theophylline, ephedrine hydrochloride, and phenobarbital, 6101  
 Theophylline sodium glycinate, 6105  
 Thiabendazole chewable, 6107  
 Thiamine hydrochloride, 6110  
 Thiethylperazine maleate, 6114  
 Thioguanine, 6120  
 Thioridazine hydrochloride, 6126  
 Thyroid, 6135  
 Ticlopidine hydrochloride, 6149  
 Timolol maleate, 6160, 8168

**Tablets** (continued)

Timolol maleate and hydrochlorothiazide, 6160  
 Tizanidine, 6166  
 Tocainide hydrochloride, 6183  
 Tolazamide, 6185  
 Tolbutamide, 6188  
 Tolcapone, 6189  
 Tolmetin sodium, 6192  
 Topiramate, 6202  
 Torsemide, 6206  
 Tramadol hydrochloride, 6210  
 Tramadol hydrochloride and acetaminophen, 6215  
 Tramadol hydrochloride extended-release, 6212, 8170  
 Trandolapril, 6219  
 Tranylcypromine, 6221  
 Trazodone hydrochloride, 6229  
 Triamcinolone, 6235  
 Triamterene and hydrochlorothiazide, 6247  
 Triazolam, 6249  
 Trichlormethiazide, 6251  
 Trifluoperazine hydrochloride, 6260  
 Triflupromazine hydrochloride, 6263  
 Trihexyphenidyl hydrochloride, 6266, 8852  
 Trimeprazine tartrate, 6269  
 Trimethoprim, 6272  
 Trioxsalen, 6275  
 Tripelennamine hydrochloride, 6277  
 Triprolidine hydrochloride, 6279  
 Triprolidine and pseudoephedrine hydrochlorides, 6280  
 Trisulfapyrimidines, 6282  
 Tropicium chloride, 6288  
 Ubidecarenone, 6872  
 Ursodiol, 6305  
 Valacyclovir, 6307  
 Valerian, 6879  
 Valganciclovir, 6312  
 Valsartan, 6325  
 Valsartan and hydrochlorothiazide, 6326  
 Venlafaxine, 6338  
 Verapamil hydrochloride, 6351  
 Verapamil hydrochloride extended-release, 6353  
 Vigabatrin, 6361  
 Vinpocetine, 6882  
 Vitamin A, 6375  
 Vitamins with minerals, oil-soluble, 6916  
 Vitamins with minerals, oil- and water-soluble, 7014  
 Vitamins with minerals, water-soluble, 7094  
 Vitamins, oil-soluble, 6893  
 Vitamins, oil- and water-soluble, 6956  
 Vitamins, water-soluble, 7053  
 Warfarin sodium, 6388  
 Zalcitabine, 6406  
 Zidovudine, 6416  
 Zinc citrate, 7117  
 Zinc gluconate, 6424  
 Zinc sulfate, 6431  
 Zolmitriptan, 8185  
 Zolmitriptan orally disintegrating, 8861  
 Zolpidem tartrate, 6436, 8187  
 Zolpidem tartrate extended-release, 6438, 8189

**Tacrine**

capsules, 5982  
 hydrochloride, 5982

Tacrolimus, 5983, 8831  
 capsules, 5986, 8834  
 oral suspension, 5990, 8840  
 Tadalafil, 5991  
 tablets, 5993  
 Tadalafil compounded oral suspension, 5994  
 Tagatose, 7587  
 Talc, 5995  
 Tamoxifen citrate, 5997  
 tablets, 5998  
 Tamsulosin hydrochloride, 5999  
 capsules, 6001  
 Tannic acid, 2153, 6009  
 TS, 2176  
 Tape, adhesive, 6009  
 Tapioca starch, 7566  
 Tartaric acid, 2153, 7588  
 TS, 2176  
 Taurine, 6010  
 Tazobactam, 6010  
 and piperacillin for injection, 5424, 8132  
 Tc 99m  
 albumin aggregated injection, technetium, 6012  
 albumin colloid injection, technetium, 6013  
 albumin injection, technetium, 6011  
 apcitide injection, technetium, 6015  
 arcitumomab injection, technetium, 6016  
 bisclate injection, technetium, 6016  
 depreotide injection, technetium, 6017  
 disofenin injection, technetium, 6018  
 etidronate injection, technetium, 6019  
 exametazime injection, technetium, 6019  
 fanolesomab injection, technetium, 6020  
 gluceptate injection, technetium, 6021  
 lidofenin injection, technetium, 6022  
 mebifenin injection, technetium, 6023  
 medronate injection, technetium, 6024  
 mertiatide injection, technetium, 6025  
 nofetumomab merpentan injection, technetium, 6026  
 oxidronate injection, technetium, 6026  
 pentetate injection, technetium, 6027  
 pertechnetate injection, sodium, 6028  
 (pyro- and trimeta-) phosphates injection, technetium, 6030  
 pyrophosphate injection, technetium, 6029  
 red blood cells injection, technetium, 6030  
 sestamibi injection, technetium, 6031  
 succimer injection, technetium, 6032  
 sulfur colloid injection, technetium, 6033  
 tetrafosmin injection, technetium, 6033  
 T-dodecyl mercaptan ethoxylate, 2113  
 Technetium  
 Tc 99m albumin aggregated injection, 6012  
 Tc 99m albumin colloid injection, 6013  
 Tc 99m albumin injection, 6011  
 Tc 99m apcitide injection, 6015  
 Tc 99m arcitumomab injection, 6016  
 Tc 99m bisclate injection, 6016  
 Tc 99m depreotide injection, 6017  
 Tc 99m disofenin injection, 6018  
 Tc 99m etidronate injection, 6019  
 Tc 99m exametazime injection, 6019  
 Tc 99m fanolesomab injection, 6020  
 Tc 99m gluceptate injection, 6021  
 Tc 99m lidofenin injection, 6022  
 Tc 99m mebifenin injection, 6023  
 Tc 99m medronate injection, 6024  
 Tc 99m mertiatide injection, 6025  
 Tc 99m nofetumomab merpentan injection, 6026  
 Tc 99m oxidronate injection, 6026  
 Tc 99m pentetate injection, 6027  
 Tc 99m pertechnetate injection, sodium, 6028  
 Tc 99m pyrophosphate injection, 6029  
 Tc 99m (pyro- and trimeta-) phosphates injection, 6030  
 Tc 99m red blood cells injection, 6030  
 Tc 99m sestamibi injection, 6031  
 Tc 99m succimer injection, 6032  
 Tc 99m sulfur colloid injection, 6033  
 Tc 99m tetrafosmin injection, 6033  
 Telmisartan, 6034  
 and hydrochlorothiazide tablets, 6036  
 tablets, 6035  
 Temazepam, 6039  
 capsules, 6041  
 Temozolomide, 6041, 8164  
 oral suspension, 6043, 8841  
 Temperature  
 congealing (651), 477  
 Teniposide, 8165  
 injection, 8167  
 Tensile strength (881), 732  
 Terazosin  
 capsules, 6044  
 hydrochloride, 6047  
 tablets, 6045  
 Terbinafine  
 hydrochloride, 6052  
 oral suspension, 6050, 8841  
 tablets, 6050  
 Terbutaline  
 sulfate, 6054  
 sulfate inhalation aerosol, 6055  
 sulfate injection, 6056  
 sulfate tablets, 6057  
 oral suspension, 6054, 8842  
 Terconazole, 6057  
 Teriparatide, 6058  
 Terminally sterilized pharmaceutical products—parametric release (1222), 1613  
 Terpin hydrate, 6062  
 and codeine oral solution, 6063  
 oral solution, 6062  
 tert-Butyl hydroperoxide solution, 2153  
 Tertiary butyl alcohol, 2153  
 Test for 1,6-anhydro derivative for enoxaparin sodium (207), 237  
 Testolactone, 6064  
 tablets, 6065  
 Testosterone, 6066  
 benzoate, 2153  
 cypionate, 6067  
 cypionate injection, 6067  
 enanthate, 6068  
 enanthate injection, 6068  
 injectable suspension, 6066  
 propionate, 6069  
 propionate injection, 6069  
 Test papers  
 and indicator, 2164  
 indicators and indicator, 2162  
 Test solutions, 2167  
 Tetanus  
 immune globulin, 6070  
 2',4',5',7'-Tetrabromofluorescein, 2153  
 Tetrabromophenolphthalein ethyl ester, 2153  
 TS, 2176  
 Tetrabutylammonium  
 bromide, 2153  
 hydrogen sulfate, 2153  
 hydrogen sulfate ion pairing reagent, 2153  
 hydroxide, 1.0 M in methanol, 2153  
 hydroxide, 0.4 M aqueous, 2153

- Tetrabutylammonium (*continued*)  
 hydroxide 30-hydrate, 2153  
 hydroxide in methanol/isopropyl alcohol (0.1 N), 2185  
 hydroxide, tenth-normal (0.1 N), 2185  
 iodide, 2153  
 phosphate, 2153
- Tetrabutylammonium hydroxide, 40 percent in water, 2153
- Tetracaine, 6070  
 and cocaine hydrochlorides and epinephrine topical solution, 3275  
 hydrochloride, 6072  
 hydrochloride, benzocaine, and butamben topical aerosol, 2713  
 hydrochloride, benzocaine, and butamben gel, 2714  
 hydrochloride, benzocaine, and butamben ointment, 2715  
 hydrochloride, benzocaine, and butamben topical solution, 2715  
 hydrochloride cream, 6074  
 hydrochloride in dextrose injection, 6076  
 hydrochloride injection, 6074  
 hydrochloride for injection, 6075  
 hydrochloride, neomycin sulfate, and isoflupredone acetate ointment, 5021  
 hydrochloride, neomycin sulfate, and isoflupredone acetate topical powder, 5022  
 hydrochloride ophthalmic solution, 6076  
 hydrochloride topical solution, 6076  
 and menthol ointment, 6072  
 ointment, 6071  
 and procaine hydrochlorides and levonordefrin injection, 5537
- 2,3,7,8-Tetrachlorodibenzo-*p*-dioxin, <sup>13</sup>C-labeled, 2153
- 2,3,7,8-Tetrachlorodibenzofuran, <sup>13</sup>C-labeled, 2153
- 1,1,2,2-Tetrachloroethane, 2153
- Tetracosane, 2153
- Tetracycline, 6077  
 boluses, 6079  
 hydrochloride, 6080  
 hydrochloride capsules, 6082  
 hydrochloride for injection, 6083  
 hydrochloride, novobiocin sodium, and prednisolone tablets, 6089  
 hydrochloride and novobiocin sodium tablets, 6089  
 hydrochloride and nystatin capsules, 6090  
 hydrochloride ointment, 6084  
 hydrochloride ophthalmic ointment, 6085  
 hydrochloride ophthalmic suspension, 6087  
 hydrochloride soluble powder, 6086  
 hydrochloride for topical solution, 6086  
 hydrochloride oral suspension, 6087, 8843  
 hydrochloride tablets, 6088  
 oral suspension, 6079
- Tetradecane, 2153
- Tetradecylammonium bromide, 2153
- Tetraethylammonium perchlorate, 2154
- Tetraethylene glycol, 2154
- Tetraethylenepentamine, 2154
- Tetraheptylammonium bromide, 2154
- Tetrahexylammonium hydrogen sulfate, 2154
- Tetrahydrofuran, 2154  
 peroxide-free, 2154  
 stabilizer-free, 2154
- Tetrahydro-2-furancarboxylic acid, 2154
- N*-(2-Tetrahydrofuroyl)piperazine, 2154
- 1,2,3,4-Tetrahydronaphthalene, 2154
- Tetrahydrozoline hydrochloride, 6090  
 nasal solution, 6091  
 ophthalmic solution, 6091
- Tetramethylammonium  
 bromide, 2154  
 bromide, tenth-molar (0.1 M), 2185  
 chloride, 2154  
 chloride, tenth-molar (0.1 M), 2185  
 hydroxide, 2154  
 hydroxide, pentahydrate, 2154  
 hydroxide solution in methanol, 2154  
 hydroxide TS, 2176  
 nitrate, 2155
- Tetramethylbenzidine, 2155
- 4,4'-Tetramethyldiaminodiphenylmethane, 2155
- Tetramethylsilane, 2155
- Tetrapropylammonium  
 chloride, 2155
- Tetrasodium ethylenediaminetetraacetate, 2155
- Thalidomide, 6092  
 capsules, 6093
- Thallous chloride, 2155
- TI 201 injection, 6094
- Theobromine, 2155
- Theophylline, 6095, 8844  
 capsules, 6096  
 extended-release capsules, 6096  
 in dextrose injection, 6100  
 ephedrine hydrochloride, and phenobarbital tablets, 6101  
 and guaifenesin capsules, 6103  
 and guaifenesin oral solution, 6103  
 sodium glycinate, 6104  
 sodium glycinate oral solution, 6105  
 sodium glycinate tablets, 6105  
 oral solution, 6098, 8846  
 oral suspension, 6099, 8848  
 tablets, 6100
- Theory and practice of electrical conductivity measurements of solutions (1644), 1815
- Thermal analysis (891), 733
- Thermometers (21), 109
- Thermometric equivalents, 2278
- Thiabendazole, 6106  
 chewable tablets, 6107  
 oral suspension, 6106
- Thiamine  
 hydrochloride, 6108  
 hydrochloride injection, 6109  
 hydrochloride oral solution, 6109  
 hydrochloride tablets, 6110  
 mononitrate, 6111  
 mononitrate oral solution, 6112
- Thiamine assay (531), 366
- Thiazole yellow, 2155  
 paper, 2164
- Thiethylperazine maleate, 6113  
 suppositories, 6113  
 tablets, 6114
- Thimerosal, 6115  
 topical aerosol, 6116  
 topical solution, 6117  
 tincture, 6118
- Thin-layer chromatographic identification test (201), 231
- Thioacetamide, 2155  
 TS, 2176
- Thioacetamide-glycerin base TS, 2176
- 2-Thiobarbituric acid, 2155
- 2,2'-Thiodiethanol, 2155
- Thioglycolic acid, 2155
- Thioguanine, 6119  
 tablets, 6120
- Thionine acetate, 2155
- Thiopental sodium, 6122  
 for injection, 6122
- Thioridazine, 6123  
 hydrochloride, 6125  
 hydrochloride oral solution, 6125  
 hydrochloride tablets, 6126  
 oral suspension, 6124
- Thiostrepton, 6126  
 nystatin, neomycin sulfate, and triamcinolone acetonide cream, 5118  
 nystatin, neomycin sulfate, and triamcinolone acetonide ointment, 5118
- Thiotepa, 6127  
 for injection, 6128, 8848
- Thiothixene, 6129  
 capsules, 6130  
 hydrochloride, 6130  
 hydrochloride injection, 6131  
 hydrochloride for injection, 6132  
 hydrochloride oral solution, 6132
- Thiourea, 2155
- Thorium nitrate, 2155  
 TS, 2176
- Threonine, 6133
- Thrombin human, 2155
- Thromboplastin, 2155
- Thymidine, 2156
- Thymol, 2156, 7589  
 blue, 2164  
 blue TS, 2176
- Thymolphthalein, 2164  
 TS, 2176
- Thyroglobulin, 2156
- Thyroid, 6133  
 tablets, 6135
- Tiagabine hydrochloride, 6136  
 oral suspension, 6138, 8850
- Tiamulin, 6139  
 fumarate, 6140
- Ticarcillin  
 and clavulanic acid injection, 6143  
 and clavulanic acid for injection, 6144  
 disodium, 6145  
 for injection, 6141  
 monosodium, 6146
- Ticlopidine hydrochloride, 6147  
 tablets, 6149
- Tienchi ginseng  
 root and rhizome, 6859  
 root and rhizome dry extract, 6863  
 root and rhizome powder, 6861
- Tigecycline, 6150  
 for injection, 6152
- Tiletamine  
 hydrochloride, 6153  
 and zolazepam for injection, 6154
- Tilmicosin, 6155  
 injection, 6156
- Timolol  
 maleate, 6158  
 maleate and hydrochlorothiazide tablets, 6160  
 maleate ophthalmic solution, 6159  
 maleate tablets, 6160, 8168
- Timolol maleate  
 and dorzolamide hydrochloride ophthalmic solution, 3591
- Tin, 2156

---

## Tincture

Belladonna, 2694

**Tincture** (continued)

Benzethonium chloride, 2702  
Benzoin, compound, 2720  
Capsicum, 2907  
Cardamom, compound, 7226  
Ginger, 6665, 7926  
Green soap, 4157  
Iodine, 4339  
Iodine, strong, 4339  
Lemon, 7373  
Opium, 5160  
Orange peel, sweet, 7430  
*Rhodiola rosea*, 6810  
Thimerosal, 6118  
Tolu balsam, 7591  
Valerian, 6877  
Vanilla, 7599

Tinidazole, 6162  
Tioconazole, 6162  
Titanium  
dioxide, 6164  
tetrachloride, 2156  
trichloride, 2156  
trichloride-sulfuric acid TS, 2176  
trichloride, tenth-normal (0.1 N), 2185  
trichloride TS, 2176  
Titration, nitrite (451), 336  
Titrimetry (541), 367  
Tizanidine  
hydrochloride, 6165  
tablets, 6166  
TI 201  
injection, thallos chloride, 6094  
Tobramycin, 6168  
and dexamethasone ophthalmic ointment, 6176  
and dexamethasone ophthalmic suspension, 6178  
and fluorometholone acetate ophthalmic suspension, 6179  
inhalation solution, 6173  
injection, 6169  
for injection, 6170  
ophthalmic ointment, 6172  
ophthalmic solution, 6175  
sulfate, 6181  
Tocainide hydrochloride, 6182  
tablets, 6183  
Tocopherols excipient, 7589  
Tolazamide, 6184  
tablets, 6185  
Tolazoline hydrochloride, 6185  
injection, 6186  
Tolbutamide, 6186  
for injection, 6187  
tablets, 6188  
Tolcapone, 6188  
tablets, 6189  
o-Tolidine, 2156  
Tolmetin sodium, 6191  
capsules, 6191  
tablets, 6192  
Tolnaftate, 6193  
topical aerosol, 6194  
cream, 6194  
gel, 6194  
topical powder, 6195  
topical solution, 6195  
Tolterodine tartrate, 6195  
Tolualdehyde, 2156  
p-Tolualdehyde, 2156

Tolu balsam, 6197  
syrup, 7590  
tincture, 7591  
Toluene, 2156  
p-Toluenesulfonic acid, 2156  
TS, 2176  
p-Toluenesulfonyl-L-arginine methyl ester hydrochloride, 2156  
p-Toluic acid, 2156  
Toluidine  
blue, 2156  
blue O, 2156  
o-Toluidine, 2156  
p-Toluidine, 2156  
Tomato extract containing lycopene, 6739  
Topical aerosols (603), 450  
Topical and transdermal drug products—  
product quality tests (3), 81, 8284

**Topical solution**

Aluminum acetate, 2420  
Aluminum subacetate, 2432  
Aluminum sulfate and calcium acetate for, 2433  
Aluminum sulfate and calcium acetate tablets for, 2434  
Aminobenzoic acid, 2470  
Benzethonium chloride, 2701  
Benzocaine, 2712  
Benzocaine, butamben, and tetracaine hydrochloride, 2715  
Calcium hydroxide, 2882  
Carbamide peroxide, 2921  
Carbol-fuchsin, 2933  
Cetylpyridinium chloride, 3080  
Chlorhexidine acetate, 3103  
Chlorhexidine gluconate, 3107  
Ciclopirox, 3148  
Clindamycin phosphate, 3215  
Clobetasol propionate, 3225  
Clotrimazole, 3260  
Coal tar, 3271  
Cocaine hydrochloride tablets for, 3274  
Cocaine and tetracaine hydrochlorides and epinephrine, 3275  
Diethyltoluamide, 3484  
Dimethyl sulfoxide, 3517  
Dyclonine hydrochloride, 3642  
Erythromycin, 3750  
Fluocinolone acetonide, 3955  
Fluocinonide, 3958  
Fluorouracil, 3972  
Gentamicin sulfate and betamethasone valerate, 4108  
Gentian violet, 4112  
Halcinonide, 4179  
Hydrogen peroxide, 4238  
Hydroquinone, 4244  
Iodine, 4338  
Ivermectin, 4451  
Lidocaine hydrochloride, 4566  
Mafenide acetate for, 4640  
Methoxsalen, 4806  
Minoxidil, 4898, 8104  
Mometasone furoate, 4925  
Myrrh, 4970  
Nitrofurazone, 5081  
Nitromersol, 5086  
Papain tablets for, 5273  
Phenol, camphorated, 5363  
Podophyllum resin, 5439  
Povidone-iodine, 5485

Sodium fluoride and acidulated phosphate, 5874  
Sodium hypochlorite, 5876, 8824  
Tetracaine hydrochloride, 6076  
Tetracycline hydrochloride for, 6086  
Thimerosal, 6117  
Tolnaftate, 6195  
Tretinoin, 6234

**Topical suspension**

Calamine, 2849  
Calamine, phenolated, 2849  
Ciclopirox olamine, 3150  
Clindamycin phosphate, 3216  
Penicillin G, neomycin, polymyxin B, hydrocortisone acetate, and hydrocortisone sodium succinate, 5298  
Penicillin G procaine, neomycin and polymyxin B sulfates, and hydrocortisone acetate, 5315  
Resorcinol and sulfur, 5690  
Selenium sulfide, 5825  
Sulfacetamide sodium, 5936  
Zinc sulfide, 6431

Topiramate, 6198  
capsules, 6200  
tablets, 6202  
Topiramate compounded oral suspension, 6204  
Torsemide, 6205  
tablets, 6206  
Total organic carbon (643), 472  
Tragacanth, 7591  
Tramadol hydrochloride, 6208  
and acetaminophen oral suspension, 6214, 8851  
and acetaminophen tablets, 6215  
oral suspension, 6209, 8850  
tablets, 6210  
extended-release tablets, 6212, 8170  
Tramadol hydrochloride compounded, veterinary oral suspension, 6217  
Trandolapril, 6218  
tablets, 6219  
Tranexamic acid, 6220  
Transdermal system  
clonidine, 3244  
nicotine, 5059  
Transfer of analytical procedures (1224), 1638  
Tranlycypromine sulfate, 6223  
tablets, 6221  
Travoprost, 6225  
ophthalmic solution, 6226  
Trazodone hydrochloride, 6227  
tablets, 6229  
Trehalose, 7591  
Trenbolone acetate, 6231  
Tretinoin, 6232  
cream, 6233  
gel, 6233  
topical solution, 6234  
Triacetin, 6234  
n-Triacontane, 2156  
Triamcinolone, 6235  
acetonide, 6236  
acetonide cream, 6237

- Triamcinolone (*continued*)  
   acetone dental paste, 6239  
   acetone injectable suspension, 6239  
   acetone topical aerosol, 6237  
   acetone lotion, 6238  
   acetone and neomycin sulfate cream, 5039  
   acetone and nystatin cream, 5119  
   acetone, nystatin, neomycin sulfate, and gramicidin cream, 5117  
   acetone, nystatin, neomycin sulfate, and gramicidin ointment, 5117  
   acetone, nystatin, neomycin sulfate and thioestrepton cream, 5118  
   acetone, nystatin, neomycin sulfate, and thioestrepton ointment, 5118  
   acetone and nystatin ointment, 5119  
   acetone ointment, 6238  
   acetone nasal spray, 8173  
   diacetate, 6240  
   diacetate injectable suspension, 6241  
   diacetate oral solution, 6240  
   hexacetone, 6241  
   hexacetone injectable suspension, 6242  
   tablets, 6235  
 2,4,6-Triamino-5-nitrosopyrimidine, 2156  
 Triamterene, 6243  
   capsules, 6244  
   and hydrochlorothiazide capsules, 6245  
   and hydrochlorothiazide tablets, 6247  
 Triazolam, 6248  
   tablets, 6249  
 Tribasic calcium phosphate, 7194  
 Tribasic sodium phosphate, 7524  
 Tributyl  
   citrate, 7593  
   phosphate, 2156  
 Tributylethylammonium hydroxide, 2157  
 Tributyrin, 2157  
 Trichlormethiazide, 6250  
   tablets, 6251  
 Trichloroacetic acid, 2157  
 Trichloroethane, 2157  
 Trichlorofluoromethane, 2157  
 Trichloromonofluoromethane, 7594  
 Trichlorotrifluoroethane, 2157  
 Tricitrates oral solution, 6252  
 Triclocarban, 6253  
 Triclosan, 6255  
*n*-Tricosane, 2157  
 Trientine hydrochloride, 6257  
   capsules, 6258  
 Triethanolamine, 2157  
 Triethylamine, 2157  
   hydrochloride, 2157  
   phosphate, 2157  
 Triethyl citrate, 7594  
 Triethylenediamine, 2157  
 Triethylene glycol, 2157  
 Trifluoperazine  
   hydrochloride, 6259  
   hydrochloride injection, 6259  
   hydrochloride tablets, 6260  
   oral solution, 6258  
 Trifluoroacetic  
   acid, 2157  
   anhydride, 2157  
 Trifluoroacetic acid (TFA) in peptides (503.1), 359  
 2,2,2-Trifluoroethanol, 2158  
 2,2,2-Trifluoroethyl difluoromethyl ether, 2158  
 (*m*-Trifluoromethylphenyl)  
   trimethylammonium hydroxide in methanol, 2158  
   5-(Trifluoromethyl)uracil, 2158  
    $\alpha,\alpha,\alpha$ -Trifluoro-*p*-cresol, 2158  
   Trifluorovinyl chloride polymer, 2158  
   Triflupromazine, 6261  
     hydrochloride, 6262  
     hydrochloride injection, 6262  
     hydrochloride tablets, 6263  
     oral suspension, 6261  
   Trifluridine, 6263  
   Triglycerides medium-chain, 7595  
   Trihexyphenidyl hydrochloride, 6264  
     extended-release capsules, 6265  
     oral solution, 6266  
     tablets, 6266, 8852  
   Trikaes oral solution, 6267  
   Triketohydrindene hydrate  
     TS, 2176  
   Trimeprazine  
     oral solution, 6268  
     tartrate, 6268  
     tartrate tablets, 6269  
   Trimethobenzamide hydrochloride, 6270  
     capsules, 6270  
     injection, 6271  
   Trimethoprim, 6271  
     and polymyxin B sulfate ophthalmic solution, 5447  
     and sulfamethoxazole injection, 5954  
     and sulfamethoxazole oral suspension, 5955, 8828  
     and sulfamethoxazole tablets, 5956  
     sulfate, 6273  
     tablets, 6272  
   Trimethylacetylhydrazide ammonium chloride, 2158  
   Trimethylchlorosilane, 2158  
   2,2,4-Trimethylpentane, 2158  
   2,4,6-Trimethylpyridine, 2158  
   *N*-(Trimethylsilyl)-imidazole, 2158  
   Trimethyltin bromide, 2158  
   Trimipramine maleate, 6273  
   2,4,6-Trinitrobenzenesulfonic acid, 2158  
   Trinitrophenol, 2158  
     TS, 2176  
   Trioctylphosphine oxide, 2158  
   Trioxsalen, 6275  
     tablets, 6275  
   Tripelennamine hydrochloride, 6276  
     injection, 6277  
     tablets, 6277  
   1,3,5-Triphenylbenzene, 2158  
   Triphenylmethane, 2158  
   Triphenylmethanol, 2158  
   Triphenyltetrazolium  
     chloride, 2159  
     chloride TS, 2176  
   Triprolidine  
     hydrochloride, 6278, 8177  
     hydrochloride oral solution, 6278  
     hydrochloride tablets, 6279  
     and pseudoephedrine hydrochlorides oral solution, 6280  
     and pseudoephedrine hydrochlorides tablets, 6280  
   Tris(2-aminoethyl)amine, 2159  
   Tris(hydroxymethyl)aminomethane, 2159  
     acetate, 2159  
     hydrochloride, 2159  
   *N*-Tris(hydroxymethyl)methylglycine, 2159  
   Trisulfapyrimidines  
     oral suspension, 6281  
     tablets, 6282  
   Tritirachium album proteinase K, 2159  
   Trolamine, 7598  
     salicylate, 6282  
   Tromethamine, 2159, 6283  
     carboprost, 2939  
     carboprost, injection, 2940  
     for injection, 6284  
   Tropaeolin OO, 2159  
   Tropic acid, 2159  
   Tropicamide, 6285  
     ophthalmic solution, 6286  
   Tropine, 2159  
   Trospium chloride, 6287  
     tablets, 6288  
   Trypan blue, 2159  
   Trypsin, crystallized, 6290  
   Tryptone, 2159  
   Tryptophan, 6291  
     5-Hydroxy-L-, 6865  
   L-Tryptophane, 2159  
   Tuberculin purified protein derivative (*Tuberculin PPD*), 2159  
   Tubocurarine chloride, 2159, 6292  
     injection, 6293  
   Tungstic acid, 2159  
   Turmeric, 6866  
     powdered, 6867  
     extract, powdered, 6868  
   Turmeric paper, 2164  
   Tylosin, 6294  
     granulated, 6295  
     injection, 6295  
     tartrate, 6296  
   Tyloxapol, 6297  
   Tyrosine, 6299  
   L-Tyrosine disodium, 2159  
   Tyrothricin, 6300

## U

- Ubidecarenone, 6870  
   capsules, 6871  
   tablets, 6872  
 Ubiquinol, 7942  
   capsules, 7942  
 Ultraviolet-visible spectroscopy (857), 723  
 Ultraviolet-visible spectroscopy—theory and practice (1857), 2004  
 Undecylenic acid, 6301  
   ointment, compound, 6301  
 Uniformity of dosage units (905), 736  
 Uracil, 2159  
 Uranyl acetate, 2159  
   cobalt, TS, 2169  
   zinc, TS, 2176  
 Urea, 2159, 6302, 8854  
   C 13, 2934  
   C 13 for oral solution, 2935  
   C 14 capsules, 2936  
   for injection, 6302  
 Urethane, 2159  
 Uridine, 2159  
 Ursodiol, 6303  
   capsules, 6304

Ursodiol (*continued*)  
 oral suspension, 6304, 8856  
 tablets, 6305  
 USP and NF excipients listed by category,  
 7127, 8543  
 USP policies, xxxi  
 USP reference standards ⟨11⟩, 103

## V

### Vaccine

Anthrax adsorbed, 2563  
 BCG, 2689

---

Vaccines for human use  
 bacterial vaccines ⟨1238⟩, 1770  
 general considerations ⟨1235⟩, 1731  
 polysaccharide and glycoconjugate  
 vaccines ⟨1234⟩, 1715  
 Vaccinia immune globulin, 6307  
 Valacyclovir  
 oral suspension, 6307, 8856  
 tablets, 6307  
 Valacyclovir hydrochloride, 6309  
 Valerian, 6873  
 extract, powdered, 6876  
 powdered, 6874  
 tablets, 6879  
 tincture, 6877  
 Valeric acid, 2160  
 Valerophenone, 2160  
 Valganciclovir  
 hydrochloride, 6313  
 tablets, 6312  
 Validation  
 of alternative microbiological methods  
 ⟨1223⟩, 1616  
 of compendial procedures ⟨1225⟩, 1640  
 of microbial recovery from pharmacopeial  
 articles ⟨1227⟩, 1647  
 Validation of alternative methods to  
 antibiotic microbial assays ⟨1223.1⟩, 1630  
 Valine, 6316  
 Valproate sodium  
 injection, 6317  
 Valproic acid, 6318, 8857  
 capsules, 6319, 8178  
 oral solution, 6320  
 Valrubicin, 6321  
 intravesical solution, 6323  
 Valsartan, 6323  
 tablets, 6325  
 amlodipine, and hydrochlorothiazide  
 tablets, 2503  
 and amlodipine tablets, 2500  
 and hydrochlorothiazide tablets, 6326  
 Vanadium pentoxide, 2160  
 Vanadyl sulfate, 2160  
 Vancomycin, 6329  
 hydrochloride, 6331  
 hydrochloride capsules, 6333  
 hydrochloride for injection, 6333  
 hydrochloride for oral solution, 6334  
 injection, 6330

Vanilla, 7598  
 tincture, 7599  
 Vanillin, 7599  
 Vapor phase sterilization ⟨1229.11⟩, 1687  
 Varicella-zoster immune globulin, 6334  
 Vasopressin, 6335  
 injection, 6336  
 Vecuronium bromide, 6336  
 Vegetable oil, hydrogenated, 7599  
 Vehicle  
 for oral solution, 7428  
 for oral solution, sugar free, 7429  
 for oral suspension, 7429  
 suspension structured, 7587  
 suspension structured, sugar-free, 7587  
 Venlafaxine  
 hydrochloride, 6339  
 hydrochloride extended-release capsules,  
 6340  
 tablets, 6338  
 Verapamil hydrochloride, 6347  
 extended-release capsules, 6348  
 injection, 6349  
 oral solution, 6350, 8858  
 oral suspension, 6351, 8859  
 tablets, 6351  
 extended-release tablets, 6353  
 Vardenafil  
 hydrochloride, 8179  
 Verification of compendial procedures  
 ⟨1226⟩, 1646  
 Verteporfin, 6356  
 for injection, 6357

### Veterinary

Atenolol compounded oral suspension,  
 2622  
 Benazepril hydrochloride compounded oral  
 suspension, 2697  
 Buprenorphine compounded buccal  
 solution, 2810  
 Doxycycline compounded oral suspension,  
 veterinary, 3615  
 Enalapril maleate compounded oral  
 suspension, 3683  
 Methylene blue injection, 4823  
 Pergolide oral suspension, 5343, 8765  
 Potassium bromide oral solution, 5456,  
 8770  
 Prednisolone compounded oral suspension,  
 5507  
 Sodium bromide injection, 5863, 8820  
 Sodium bromide oral solution, 5863, 8821  
 Spirolactone compounded oral  
 suspension, 5906  
 Tramadol hydrochloride compounded oral  
 suspension, 6217  
 Voriconazole compounded ophthalmic  
 solution, 6384

---

Vibrational circular dichroism  
 spectroscopy theory and practice ⟨1782⟩,  
 8409  
 Vibrational circular dichroism spectroscopy  
 ⟨782⟩, 8333  
 Vigabatrin, 6358  
 for oral solution, 6360  
 tablets, 6361  
 Vinblastine sulfate, 6363  
 for injection, 6364, 8859

Vincristine sulfate, 6366  
 injection, 6367  
 for injection, 6368  
 Vinorelbine  
 injection, 6371  
 tartrate, 6370  
 Vinpocetine, 6880  
 capsules, 6881  
 tablets, 6882  
 Vinyl acetate, 2160  
 2-Vinylpyridine, 2160  
 Vinylpyrrolidinone, 2160  
 Viral safety evaluation of biotechnology  
 products derived from cell lines of human  
 or animal origin ⟨1050⟩, 996  
 Virology test methods ⟨1237⟩, 1749  
 Virus testing of human plasma for further  
 manufacture ⟨1240⟩, 1783  
 Viscosity—capillary methods ⟨911⟩, 740  
 Viscosity—pressure driven methods ⟨914⟩,  
 749  
 Viscosity—rolling ball method ⟨913⟩, 747  
 Viscosity—rotational methods ⟨912⟩, 742  
 Visible particulates in injections ⟨790⟩, 613  
 Vitamin  
 A, 6372  
 A assay ⟨571⟩, 405  
 A capsules, 6373  
 A oral liquid preparation, 6374  
 A tablets, 6375  
 B<sub>12</sub> activity assay ⟨171⟩, 224  
 C assay ⟨580⟩, 410  
 C and zinc lozenges, 7118  
 D assay ⟨581⟩, 413  
 D and calcium with minerals tablets, 6530  
 D with calcium tablets, 6529  
 E, 6376  
 E assay ⟨551⟩, 370  
 E capsules, 6378  
 E polyethylene glycol succinate, 7600  
 E preparation, 6380  
 Vitamins  
 capsules, oil-soluble, 6884  
 capsules, oil- and water-soluble, 6927  
 capsules, water-soluble, 7040  
 with minerals capsules, oil- and water-  
 soluble, 6974  
 with minerals capsules, water-soluble,  
 7065  
 with minerals oral solution, oil- and water-  
 soluble, 7001  
 with minerals oral solution, water-soluble,  
 7085  
 with minerals tablets, oil- and water-  
 soluble, 7014  
 with minerals tablets, water-soluble, 7094  
 with minerals capsules, oil-soluble, 6900  
 with minerals oral solution, oil-soluble,  
 6911  
 with minerals tablets, oil-soluble, 6916  
 oral solution, oil-soluble, 6890  
 oral solution, oil- and water-soluble, 6946  
 tablets, oil-soluble, 6893  
 tablets, oil- and water-soluble, 6956  
 tablets, water-soluble, 7053  
 Volumetric  
 apparatus ⟨31⟩, 109  
 solutions, 2177, 7844

Voriconazole, 6381  
Voriconazole compounded, veterinary  
ophthalmic solution, 6384

## W

Warfarin sodium, 6385, 8180  
for injection, 6386  
tablets, 6388  
Washed sand, 2160

## Water

Ammonia, stronger, 2088  
Ammonia, 25 percent, 2088  
Ammonia-free, 2160  
Carbon dioxide-free, 2161  
Cetyltrimethylammonium chloride, 25  
percent in, 2101  
Deaerated, 2161  
Deuterated, 2106  
D-Gluconic acid, 50 percent in, 2117  
For hemodialysis, 6389  
Water For hemodialysis applications  
(1230), 1688  
Hydrazine hydrate, 85% in, 2119  
For inhalation, sterile, 6390  
For injection, 6389  
For injection, bacteriostatic, 6390  
For injection, sterile, 6391  
For irrigation, sterile, 6391  
Methylamine, 40 percent in, 2127  
Peppermint, 7438  
Water for pharmaceutical purposes (1231),  
1690, 8373  
Pure steam, 6392  
Purified, 6391  
Purified, sterile, 6392  
Rose, ointment, 5765  
Rose, stronger, 7506  
Soluble vitamins capsules, 7040  
Soluble vitamins with minerals capsules,  
7065  
Soluble vitamins with minerals oral  
solution, 7085  
Soluble vitamins with minerals tablets,  
7094  
Soluble vitamins tablets, 7053  
Stronger ammonia, 2151  
Vapor detector tube, 2161  
Vitamins capsules, and oil-soluble, 6927  
Vitamins with minerals capsules, and oil-  
soluble, 6974  
Vitamins with minerals oral solution, and  
oil-soluble, 7001  
Vitamins with minerals tablets, and oil-  
soluble, 7014  
Vitamins oral solution, and oil-soluble,  
6946  
Vitamins tablets, and oil-soluble, 6956  
Water conductivity (645), 474  
Water determination (921), 750  
Water–solid interactions in pharmaceutical  
systems (1241), 1793

Wax  
carnauba, 7601

emulsifying, 7602  
microcrystalline, 7602  
white, 7603  
yellow, 7603  
Weighing on an analytical balance (1251),  
1797  
Weight variation of dietary supplements  
(2091), 2051  
Wheat  
bran, 6392  
starch, 7567  
Witch hazel, 6394  
Wound matrix small intestinal submucosa,  
5805  
Wright's stain, 2161  
Written prescription drug information—  
guidelines (1265), 1803

## X

Xanthan gum, 7604  
solution, 7605  
Xanthine, 2161  
Xanthinol, 2161  
Xenon Xe 127, 6395  
Xenon Xe 133, 6395  
injection, 6395  
X-ray fluorescence spectrometry (735), 566  
X-ray fluorescence spectrometry—theory and  
practice (1735), 1888  
Xylazine, 6396  
hydrochloride, 6397  
injection, 6398  
Xylene, 2161  
*m*-Xylene, 2161  
*o*-Xylene, 2161  
*p*-Xylene, 2161  
Xylene cyanole FF, 2161  
Xylenol orange, 2164  
TS, 2176  
Xylitol, 7605  
Xylometazoline hydrochloride, 6399  
nasal solution, 6399  
Xylose, 2161, 6400

## Y

Yeast extract, 2161  
Yellow mercuric oxide, 2161  
Yohimbine  
hydrochloride, 6402  
injection, 6402  
Yttrium Y 90 ibritumomab tiuxetan  
injection, 6403

## Z

Zalcitabine, 6405  
tablets, 6406  
Zaleplon, 6406  
capsules, 6408  
Zanamivir, 6410

*meso*-Zeaxanthin, 7113, 7943  
preparation, 7115, 7945  
Zein, 7606  
Zidovudine, 6411  
capsules, 6412  
injection, 6413  
and lamivudine tablets, 4484  
oral solution, 6414  
tablets, 6416  
Zileuton, 6417  
Zinc, 2161  
acetate, 2162, 6419  
acetate oral solution, 6420  
activated, 2161  
amalgam, 2162  
carbonate, 6420  
chloride, 6421  
chloride, anhydrous, powdered, 2162  
chloride injection, 6422  
citrate, 7116  
citrate tablets, 7117  
determination (591), 422  
gluconate, 6423  
gluconate tablets, 6424  
oxide, 6425  
oxide neutral, 6426  
oxide ointment, 6427  
oxide paste, 6427  
oxide and salicylic acid paste, 6427  
stearate, 6428  
sulfate, 6429  
sulfate heptahydrate, 2162  
sulfate injection, 6429  
sulfate ophthalmic solution, 6430  
sulfate oral solution, 6430  
sulfate tablets, 6431  
sulfate, twentieth-molar (0.05 M), 2185  
sulfide topical suspension, 6431  
undecylenate, 6431  
uranyl acetate TS, 2176  
and vitamin C lozenges, 7118  
Ziprasidone hydrochloride, 6432  
Zirconyl  
nitrate, 2162  
Zolazepam  
hydrochloride, 6435  
and tiletamine for injection, 6154  
Zolmitriptan, 8183  
tablets, 8185  
orally disintegrating tablets, 8861  
Zolpidem tartrate, 6435  
tablets, 6436, 8187  
extended-release tablets, 6438, 8189  
Zonisamide, 6441  
capsules, 6442  
Zonisamide compounded  
oral suspension, 6444