



April 2016

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Reference Standards Highlights

Below are several Tables with the latest Reference Standard information including out-of-stock items now available; new Reference Standards released in the last month; backordered items with estimated availability dates; items that have a new price and/or have a new package size; items with lots that are (or soon will be) no longer valid; and items with new lots since the last email notice.

Please contact your USP Customer Service Representative to place an order at +1-301-881-0666 or 1-800-227-8772. European customers can call 00-800-4875-5555. You can also order online at www.usp.org/products.

An expanded list of [USP Reference Standards Under Development](#) has been posted to the USP website. The list includes new **USP Reference Standards that we expect to release within a year**. And, the list is updated four times per year; most recently in January 2016. A new list should post soon. The list can be sorted by calendar quarter, monograph name, compendium and more. The list can be sorted by Reference Standard category (impurity, small molecule, system suitability, etc).

The Reference Standards Release Notification Service can be used to notify you when a new never-before-released Reference Standard becomes available. The Notification Service does not communicate the release of back-ordered items or lot changeovers. To participate, fill out the form online at www.usp.org/reference-standards/find-reference-standard/notification-service.

USP has expanded its **Donor Recognition Program** to further recognize contributors who participate in the standards-setting process and help make an impact on global health. Visit the [donor recognition page](#) to learn more.

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New Reference Standards Now Available

| Catalog # | Description and Package Size | Lot | Price (USD) |
|-----------|--------------------------------------------------------------------------------|--------|-------------|
| 1000576 | Acamprosate Related Compound B (20 mg) | F04090 | \$692 |
| 1084292 | CD34+ Cell Enumeration System Suitability (1.24 x 10 ⁴ CD34+ Cells) | F045V0 | \$395 |
| 1249803 | Esomeprazole Strontium (20 mg) | F047S0 | \$222 |
| 1354400 | Ixabepilone (100 mg) | F04340 | \$2,079 |
| 1354411 | Ixabepilone System Suitability Mixture (10 mg) | F04350 | \$692 |
| 1427027 | Methyldopa Related Compound B (10 mg) | F035V0 | \$692 |
| 1427038 | Methyldopa Related Compound C (20 mg) | F035W0 | \$692 |
| 1611729 | Selamectin (350 mg) | F045J0 | \$1,024 |
| 1667381 | Timolol Related Compound A (20 mg) | F000Q0 | \$692 |

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Previously Out-of-Stock Items Now Available

| Catalog # | Description and Package Size | Lot | Price (USD) |
|-----------|-----------------------------------------|--------|-------------|
| 1020008 | Aminobutanol (500 mg) | R049T0 | \$553 |
| 1180503 | Dextromethorphan (2 g) | I3F274 | \$692 |
| 1229883 | Duloxetine Related Compound H (30 mg) | R032X0 | \$692 |
| 1242032 | Erythromycin Related Compound N (50 mg) | R030K0 | \$692 |
| 1283200 | Formic Acid (1.2 mL/ampule; 3 ampules) | R016R0 | \$222 |
| 1292347 | Glimepiride Related Compound D (20 mg) | R055V0 | \$692 |
| 1361010 | Levodopa Related Compound A (50 mg) | R044N0 | \$692 |
| 1372061 | Lysophosphatidylcholine (Soy) (40 mg) | R042M0 | \$692 |
| 1473206 | Norphenylephrine Hydrochloride (25 mg) | R053R0 | \$692 |
| 1658008 | Thiethylperazine Maleate (200 mg) | R057V0 | \$222 |

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Backorder Availability Estimates, April 11, 2016

| Catalog # | Description | Expected Availability* |
|-----------|-----------------------------------------------------------------------------|------------------------|
| 1095517 | Carbidopa Related Compound A (25 mg) | Q3/2016 |
| 1134040 | Ciclopirox Related Compound B (25 mg) | Q2/2016 |
| 1133933 | Cinnamic Acid (100 mg) | Q2/2016 |
| 1224700 | Docusate Calcium (500 mg) | Q3/2016 |
| 1226014 | Doxycycline Related Compound A (10 mg) | Q2/2016 |
| 1237509 | Epitetracycline Hydrochloride (200 mg) | Q3/2016 |
| 1396003 | Metaraminol Bitartrate (200 mg) | Q3/2016 |
| 1478185 | Oleyl Alcohol (5 x 50 mg) | Q2/2016 |
| 1535733 | Phosphatidylcholine (350 mg) | Q2/2016 |
| 1535744 | Phosphatidylethanolamine (100 mg) | Q2/2016 |
| 1601226 | Residual Solvent Class 1 - 1,1,1-Trichloroethane (1.2 mL/ampule; 3 ampules) | Q2/2016 |
| 1686310 | Trifluridine Related Compound A (10 mg) | Q2/2016 |
| 1720407 | Xylazine (200 mg) | Q3/2016 |

*Dates are targets and may change at any time. Q2/2016 April–June 2016; Q3/2016 July–September 2016

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Items with New Package Size or New Description

| Catalog # | Description | Old Size | New Size | Lot | Price (USD) |
|-------------|-----------------------------------------------------------------------------------------------------------------|----------|----------|--------|-------------|
| 1154569 | Beta Cyclodextrin | (250 mg) | (500 mg) | H1K030 | \$222 |
| 1333058 * | Hydroxyzine Related Compound A (1-[(4-Chlorophenyl)phenylmethyl]piperazine) | (25 mg) | N/A | R03920 | \$692 |
| 1481215 ** | Oxaliplatin Related Compound A (Ethanedioc acid, dihydrate) | (100 mg) | N/A | F1H298 | \$222 |
| 1592715 | Quetiapine System Suitability | (10 mg) | (15 mg) | R04810 | \$692 |
| 1672610 *** | Tramadol Related Compound A CIV ((RS,SR)-1-(3-Methoxyphenyl)-2-(dimethylaminomethyl)cyclohexanol hydrochloride) | (25 mg) | N/A | R01610 | \$692 |
| 1707908 | Valerenic Acid | (15 mg) | (30 mg) | R008G0 | \$989 |

* The description of this item has changed from (p-Chlorobenzhydrylpiperazine) to (1-[(4-Chlorophenyl)phenylmethyl]piperazine)

** The description of this item has changed from (oxalic acid dihydrate) to (Ethanedioc acid, dihydrate)

*** The description of this item has changed from ((+/-)-trans-2-[(dimethylamino)methyl]-1-(3-methoxyphenyl) cyclohexanol hydrochloride) to ((RS,SR)-1-(3-Methoxyphenyl)-2-(dimethylaminomethyl)cyclohexanol hydrochloride)



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RS Lots That are No Longer Valid

These Tables list previous RS lots that are (or will soon be) no longer valid for official use. If you still have any of these materials on hand, do not use them for compendial testing purposes after the last day of the month for the valid use dates listed. To test products, always be sure you use a current, valid lot of USP RS. Current lot numbers and valid use dates for previous lots are available in the USP Store online [here](#) using the Reference Standards: Alphabetical Listings to look up the item of interest.

| No Longer Valid as of March, 2016 | | | | |
|-----------------------------------|----------------------------------------------------|-------------|---------------------------------|-------------|
| Catalog # | Description | Current Lot | Previous Lot/ Valid Use Date | Price (USD) |
| 1012906 | Alfentanil Hydrochloride CII (500 mg) | G1J037 | G0J037 (31-Mar-16) | \$294 |
| 1019756 | Aminobenzoate Potassium (200 mg) | F026H2 | F-1 (31-Mar-16) | \$222 |
| 1044550 | Atorvastatin Related Compound D (10 mg) | R00280 | H0M138 (31-Mar-16) | \$692 |
| 1044571 | Atorvastatin Related Compound E (10 mg) | R002U0 | G0J426 (31-Mar-16) | \$692 |
| 1045009 | Atropine Sulfate (500 mg) | R01050 | N0H159 (31-Mar-16) | \$222 |
| 1046078 | Desosaminylazithromycin (15 mg) | R001W0 | G0H171 (31-Mar-16) | \$692 |
| 1046307 | Aztreonam E-Isomer (15 mg) | G1L370 | G0L370 (31-Mar-16) | \$692 |
| 1076115 | Bosentan (200 mg) | R012A0 | F0L283 (31-Mar-16) | \$455 |
| 1115705 | Chloromethyl Isopropyl Carbonate (100 mg) | R021D0 | F0K031 (31-Mar-16) | \$692 |
| 1119309 | Chlorthalidone Related Compound A (10 mg) | R002M0 | K0J098 (31-Mar-16) | \$692 |
| 1134040 | Ciclopirox Related Compound B (25 mg) | | H0M545 (01-Mar-16) | \$692* |
| 1134277 | Citalopram Related Compound D (15 mg) | R01270 | H0L320 (31-Mar-16) | \$692 |
| 1173508 | Desoximetasone (200 mg) | R012H0 | H1H451 (31-Mar-16) | \$222 |
| 1180004 | Dextroamphetamine Sulfate CII (500 mg) | R004C0 | J0L459 (31-Mar-16) | \$307 |
| 1218016 | Diphenhydramine Related Compound A (25 mg) | G1M528 | G0M528 (31-Mar-16) | \$692 |
| 1231003 | Dydrogesterone (200 mg) | R013U0 | I1G011 (31-Mar-16) | \$222 |
| 1265548 | Ethylhexyl Triazone Related Compound A (20 mg) | R007D0 | F0H136 (31-Mar-16) | \$692 |
| 1265559 | Ethylhexyl Triazone Related Compound B (20 mg) | F1H137 | F0H137 (31-Mar-16) | \$692 |
| 1265560 | Ethylhexyl Triazone Related Compound C (20 mg) | F1H139 | F0H139 (31-Mar-16) | \$692 |
| 1288816 | Genistein (15 mg) | R030E0 | F1K131 (31-Mar-16) | \$222 |
| 1298106 | Granisetron Hydrochloride (150 mg) | R008R0 | G0K401 (31-Mar-16) | \$491 |
| 1357067 | Leflunomide Related Compound C (10 mg) | R026R0 | F0G341 (31-Mar-16) | \$692 |
| 1365000 | Levothyroxine (500 mg) | R016X1 | R016X0 (31-Mar-16) | \$222 |
| 1368008 | Liothyronine (250 mg) | O1L383 | O0L383 (31-Mar-16) | \$222 |
| 1379183 | Melamine (250 mg) | G1M492 | G0M492 (31-Mar-16) | \$222 |
| 1396331 | Metformin Related Compound B (25 mg) | R01570 | G0M116 (31-Mar-16) | \$692 |
| 1436006 | Methylprednisolone Acetate (200 mg) | R017K0 | I0F082 (31-Mar-16) | \$222 |
| 1441200 | Metolazone (200 mg) | R00420 | G0B246 (31-Mar-16) | \$222 |
| 1443806 | Milbemycin Oxime (200 mg) | R01220 | F1L058 (31-Mar-16) | \$222 |
| 1478527 | Omeprazole Related Compound E (15 mg) | F2M515 | F1M515 (31-Mar-16) | \$692 |
| 1499414 | Paricalcitol Solution (3 mL) | R016S0 | J0L448 (31-Mar-16) | \$414 |
| 1502508 | Penicillin G Potassium (200 mg) | R02600 | K0F132 (31-Mar-16) | \$222 |
| 1535722 | Phosphatidic Acid (Soy) Monosodium (50 mg) | F1L269 | F0L269 (31-Mar-16) | \$222 |
| 1601805 | Residual Solvent Class 2 - Toluene | R03210 | G0H453 (31-Mar-16) | \$222 |
| 1604508 | Rimantadine Hydrochloride (300 mg) | R015F0 | G0H143 (31-Mar-16) | \$222 |
| 1604836 | Rivastigmine (0.1 mL) | R005W0 | F0J302 (31-Mar-16) | \$222 |
| 1604961 | Rivastigmine Related Compound F (25 mg) | R024U0 | F0M211 (31-Mar-16) | \$692 |
| 1605512 | Ropivacaine Related Compound A (25 mg) | R023M0 | F0E315 (31-Mar-16) | \$692 |
| 1612415 | Sesame Oil Related Compound A (6 mg/vial; 3 vials) | R01760 | F1H059 (31-Mar-16) | \$692 |
| 1617430 | Sotalol Related Compound C (50 mg) | R001R0 | G0L123 (31-Mar-16) | \$692 |



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|---------|--------------------------------------------------|--------|--------|-------------|-------|
| 1629000 | Sulfamethazine (1 g) | H1F324 | H0F324 | (31-Mar-16) | \$222 |
| 1642212 | Sumatriptan Succinate Related Compound A (15 mg) | R037T0 | J0K317 | (31-Mar-16) | \$886 |
| 1674004 | Tretinoin (30 mg/ampule; 5 ampules) | R004Y0 | K1L254 | (31-Mar-16) | \$222 |
| 1680608 | Tributyl Citrate (500 mg) | R018F0 | G0C227 | (31-Mar-16) | \$222 |
| 1687006 | Trihexyphenidyl Hydrochloride (200 mg) | J2G359 | J1G359 | (31-Mar-16) | \$222 |
| 1718019 | Voriconazole Related Compound A (10 mg) | F1K068 | F0K068 | (31-Mar-16) | \$692 |

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| No Longer Valid as of April, 2016 | | | | |
|-----------------------------------|------------------------------------------------|-------------|---------------------------------|-------------|
| Catalog # | Description | Current Lot | Previous Lot/ Valid Use Date | Price (USD) |
| 1038003 | Antazoline Phosphate (200 mg) | R019L0 | H (30-Apr-16) | \$222 |
| 1044345 | Atazanavir System Suitability Mixture (25 mg) | F015B1 | F015B0 (30-Apr-16) | \$692 |
| 1076341 | Boric Acid (1 g) | F1D036 | F0D036 (30-Apr-16) | \$284 |
| 1090706 | Capecitabine (200 mg) | R014M0 | G0J205 (30-Apr-16) | \$222 |
| 1096000 | Carbinoxamine Maleate (200 mg) | I1K403 | I0K403 (30-Apr-16) | \$222 |
| 1117008 | Chloroprocaine Hydrochloride (200 mg) | G1B285 | G0B285 (30-Apr-16) | \$222 |
| 1133503 | Cholic Acid (2 g) | R016D0 | G0J404 (30-Apr-16) | \$222 |
| 1134266 | Citalopram Related Compound C (25 mg) | R030U0 | G0L177 (30-Apr-16) | \$692 |
| 1134357 | Cisplatin (100 mg) | R00510 | J0L420 (30-Apr-16) | \$222 |
| 1148001 | Colistin Sulfate (200 mg) | R02022 | G-1 (30-Apr-16) | \$222 |
| 1171003 | Denatonium Benzoate (200 mg) | R020M0 | I1F025 (30-Apr-16) | \$222 |
| 1191000 | Dicyclomine Hydrochloride (125 mg) | I1M524 | I0M524 (30-Apr-16) | \$222 |
| 1224981 | Donepezil Hydrochloride (200 mg) | R020S0 | G0K230 (30-Apr-16) | \$1,000 |
| 1225485 | Doxazosin Related Compound F (15 mg) | R022Q0 | F0H028 (30-Apr-16) | \$692 |
| 1234125 | Efavirenz Related Compound A (20 mg) | R027V0 | F1L237 (30-Apr-16) | \$692 |
| 1265504 | Ethylcellulose (1 g) | R024J0 | J0L385 (30-Apr-16) | \$222 |
| 1286060 | Formononetin (50 mg) | R029F0 | F0C196 (30-Apr-16) | \$740 |
| 1287030 | Furosemide Related Compound B (100 mg) | R00750 | K0H287 (30-Apr-16) | \$692 |
| 1321004 | Hydrocortisone Valerate (200 mg) | R024Y0 | F-1 (30-Apr-16) | \$222 |
| 1332000 | Hydroxyurea (200 mg) | R010X0 | H (30-Apr-16) | \$222 |
| 1337004 | Iminodibenzyl (25 mg) | R028S0 | I1K213 (30-Apr-16) | \$692 |
| 1347529 | Ipratropium Bromide Related Compound B (10 mg) | R024T0 | F0G242 (30-Apr-16) | \$692 |
| 1349014 | Isoflurane Related Compound A (0.1 mL) | R019E0 | H0M473 (30-Apr-16) | \$692 |
| 1370327 | Lorazepam Related Compound A (25 mg) | R013M0 | H0F195 (30-Apr-16) | \$692 |
| 1370600 | Lovastatin (125 mg) | H5K027 | H4K027 (30-Apr-16) | \$176 |
| 1430000 | Methylergonovine Maleate (50 mg) | R007F0 | K0H114 (30-Apr-16) | \$222 |
| 1446848 | Montelukast Racemate (20 mg) | R031T0 | G0M114 (30-Apr-16) | \$692 |
| 1463304 | Nicotine Bitartrate Dihydrate (400 mg) | R02011 | R02010 (30-Apr-16) | \$222 |
| 1477604 | Octreotide Acetate (4.37 mg) | R021U0 | G0M429 (30-Apr-16) | \$679 |
| 1478855 | Orlistat Related Compound E (10 mg) | F1I019 | F0I019 (30-Apr-16) | \$692 |
| 1501108 | Penicillamine Disulfide (200 mg) | R017T0 | J0I007 (30-Apr-16) | \$692 |
| 1546707 | High Density Polyethylene (3 strips) | K0M357 | J0L476 (30-Apr-16) | \$222 |
| 1605205 | Ropinirole Hydrochloride (200 mg) | R020T0 | F0J036 (30-Apr-16) | \$718 |
| 1614669 | Sodium Starch Glycolate Type A (400 mg) | H1L048 | H0L048 (30-Apr-16) | \$222 |
| 1651009 | Tetracycline Hydrochloride (200 mg) | R039W0 | L1H374 (30-Apr-16) | \$222 |



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|---------|------------------------------------|--------|--------------------|-------|
| 1700501 | L-Tryptophan (200 mg) | R001N0 | H0H122 (30-Apr-16) | \$222 |
| 1724408 | Ziprasidone Hydrochloride (200 mg) | F1J028 | F0J028 (30-Apr-16) | \$222 |

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| No Longer Valid as of May 2016 | | | | |
|---------------------------------------|----------------------------------------------|--------------------|--------------------------------------|--------------------|
| Catalog # | Description | Current Lot | Previous Lot (Valid Use Date) | Price (USD) |
| 1098195 | Ceftriaxone Sodium E-Isomer (25 mg) | R011D0 | I2K393 (31-May-16) | \$692 |
| 1133536 | Choline Bitartrate (200 mg) | R028F0 | F0C057 (31-May-16) | \$222 |
| 1134211 | Cladribine Related Compound A (20 mg) | R009R0 | F0F244 (31-May-16) | \$808 |
| 1140430 | Clopidogrel Bisulfate (125 mg) | R018J0 | G1K326 (31-May-16) | \$989 |
| 1140597 | Clopidogrel Related Compound B (20 mg) | R014S0 | G2J411 (31-May-16) | \$840 |
| 1147009 | Colistimethate Sodium (200 mg) | H3J047 | H2J047 (31-May-16) | \$222 |
| 1149004 | Corticotropin (5.6 Units/vial; 2 vials) | M2I180 | M1I180 (31-May-16) | \$176 |
| 1173257 | Desogestrel Related Compound B (25 mg) | R024C0 | H0K327 (31-May-16) | \$692 |
| 1241506 | Ergotamine Tartrate (150 mg) (List Chemical) | R02200 | J0F349 (31-May-16) | \$222 |
| 1248006 | Erythromycin Stearate (200 mg) | R01900 | H0B187 (31-May-16) | \$222 |
| 1269913 | Fentanyl Related Compound A (100 mg) | R00620 | F0H141 (31-May-16) | \$692 |
| 1294848 | Gamma-Glutamyl-(S)-allyl-L-cysteine (30 mg) | R036Y0 | G0J002 (31-May-16) | \$960 |
| 1295607 | Glycerin (2 mL) | R007A0 | I0I071 (31-May-16) | \$222 |
| 1368609 | Lisinopril (300 mg) | J1F043 | J0F043 (31-May-16) | \$222 |
| 1370906 | Lynestrenol (20 mg) | G0M147 | F0B314 (31-May-16) | \$287 |
| 1380524 | Memantine Related Compound B (15 mg) | R012N1 | R012N0 (31-May-16) | \$692 |
| 1381709 | Menthol (250 mg) | R00640 | J0I189 (31-May-16) | \$222 |
| 1387002 | Mepivacaine Hydrochloride (200 mg) | R00960 | H (31-May-16) | \$222 |
| 1421009 | Methscopolamine Bromide (200 mg) | R011A0 | H0I222 (31-May-16) | \$222 |
| 1431625 | Methyl Palmitoleate (3 x 100 mg) | R007X0 | G0F330 (31-May-16) | \$222 |
| 1443602 | Midazolam Hydrochloride CIV (200 mg) | F1G152 | F0G152 (31-May-16) | \$314 |
| 1451000 | Nalidixic Acid (200 mg) | H1I155 | H0I155 (31-May-16) | \$222 |
| 1526007 | Phenoxybenzamine Hydrochloride (250 mg) | H0M461 | G (31-May-16) | \$222 |
| 1539508 | Pimozide (200 mg) | G2M338 | G1H103 (31-May-16) | \$222 |
| 1577008 | Propylparaben (200 mg) | R002F0 | J1J025 (31-May-16) | \$222 |
| 1581005 | Pseudoephedrine Hydrochloride (125 mg) | J3K305 | J2K305 (31-May-16) | \$176 |
| 1626001 | Sulfadimethoxine (200 mg) | H1K048 | H0K048(31-May-16) | \$222 |
| 1639003 | Sulfisoxazole Acetyl (200 mg) | I0L490 | H-1(31-May-16) | \$222 |

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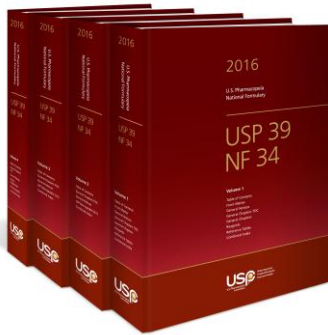


Items with New Lots

| Catalog # | Description and Package Size | Previous Lot (Valid Use Date) | Current Lot | Price (USD) |
|-----------|----------------------------------------------------------------|-------------------------------|-------------|-------------|
| 1112503 | Chlorobutanol (200 mg) | I0K276 (31-Mar-17) | R043T0 | \$222 |
| 1180503 | Dextromethorphan (2 g) | I2F274 (28-Feb-17) | I3F274 | \$692 |
| 1229872 | Duloxetine Related Compound F (10 mg) | H0M463 (31-Mar-17) | R032W0 | \$692 |
| 1283200 | Formic Acid (1.2 mL/ampule; 3 ampules) | F0E217 (31-Jan-17) | R016R0 | \$222 |
| 1601623 | Residual Solvent Class 2 - Methanol (1.2 mL/ampule; 3 ampules) | H0J157 (31-Mar-17) | R03740 | \$222 |
| 1672610 | Tramadol Related Compound A CIV (25 mg) | F0H029 (31-Mar-17) | R01610 | \$692 |
| 1056005 | Benzonatate (1 g) | I0B003 (31-Mar-17) | R04360 | \$222 |
| 1154569 | Beta Cyclodextrin (500 mg) | H0K030 (31-Mar-17) | H1K030 | \$222 |
| 1361009 | Levodopa (200 mg) | K0J392 (31-Mar-17) | R035T0 | \$222 |
| 1372061 | Lysophosphatidylcholine (Soy) (40 mg) | F0L268 (31-Jan-17) | R042M0 | \$692 |
| 1437053 | 2-Methyl-1-propanol (1.2 mL/ampule; 3 ampules) | F0E212 (31-Mar-17) | R019D0 | \$222 |
| 1481215 | Oxaliplatin Related Compound A (100 mg) | F0H298 (30-Apr-17) | F1H298 | \$222 |
| 1494910 | Pantoprazole Related Compound B (25 mg) | H0M242 (31-Mar-17) | R041U0 | \$692 |
| 1609603 | Salmeterol Xinafoate (150 mg) | F0I185 (31-Mar-17) | R041H0 | \$629 |
| 1006801 | Acetone (1.5 mL/ampule; 3 ampules) | H0K208 (31-Mar-17) | I0M548 | \$222 |
| 1020008 | Aminobutanol (500 mg) | H0G256 (28-Feb-17) | R049T0 | \$553 |
| 1157013 | Cyclophosphamide Related Compound A (25 mg) | F0I380 (31-Mar-17) | F1I380 | \$692 |
| 1478618 | Ondansetron Related Compound C (30 mg) | H0K321 (31-Mar-17) | R033L0 | \$692 |
| 1592704 | Quetiapine Fumarate (100 mg) | F006X0 (31-Mar-17) | R039V0 | \$222 |
| 1229883 | Duloxetine Related Compound H (30 mg) | G0M010 (31-Mar-17) | R032X0 | \$692 |
| 1287755 | Galantamine Hydrobromide (200 mg) | F1K075 (31-Mar-17) | R036S0 | \$328 |
| 1481248 | Oxaliplatin Related Compound D (10 mg) | R007Q0 (31-Mar-17) | R051C0 | \$692 |
| 1707908 | Valerenic Acid (30 mg) | J0L418 (31-Mar-17) | R008G0 | \$989 |
| 1242032 | Erythromycin Related Compound N (50 mg) | H0L401 (31-Mar-17) | R030K0 | \$692 |
| 1269039 | Ezetimibe System Suitability Mixture (20 mg) | F028E0 (31-Mar-17) | R042J0 | \$692 |
| 1478425 | Olopatadine Related Compound B (35 mg) | F0J016 (31-Mar-17) | R042V0 | \$692 |
| 1086800 | Calcium Gluceptate (200 mg) | F-1 (31-Mar-17) | R032C0 | \$222 |
| 1485103 | Oxybutynin Chloride (200 mg) | I0G281 (31-Mar-17) | R039X0 | \$222 |
| 1486004 | Oxymetazoline Hydrochloride (200 mg) | R00530 (31-Mar-17) | R042C0 | \$222 |
| 1292347 | Glimepiride Related Compound D (20 mg) | G0M401 (31-Jan-17) | R055V0 | \$692 |
| 1333058 | Hydroxyzine Related Compound A (25 mg) | I0I223 (30-Apr-17) | R03920 | \$692 |
| 1473206 | Norphenylephrine Hydrochloride (25 mg) | F1E205 (31-Mar-17) | R053R0 | \$692 |
| 1485227 | Oxycodone Related Compound B CII (15 mg) | F0I028 (31-Mar-17) | F1I028 | \$796 |
| 1600813 | Repaglinide (200 mg) | H0I136 (31-Mar-17) | R038K0 | \$222 |
| 1718008 | Voriconazole (100 mg) | F1L569 (31-Mar-17) | R032E0 | \$222 |
| 1361010 | Levodopa Related Compound A (50 mg) | K1J271 (31-Mar-17) | R044N0 | \$692 |
| 1463960 | Nitazoxanide (200 mg) | F1L090 (31-Mar-17) | R03720 | \$222 |
| 1478367 | Olmесartan Medoxomil (100 mg) | F0K410 (31-Mar-17) | R017N0 | \$468 |
| 1535700 | Phosphated Riboflavin (100 mg) | I0K199 (31-Mar-17) | I1K199 | \$176 |
| 1592715 | Quetiapine System Suitability (15 mg) | F00950 (31-Mar-17) | R04810 | \$692 |
| 1658008 | Thiethylperazine Maleate (200 mg) | F-1 (31-Mar-17) | R057V0 | \$222 |



USP Publication Highlights

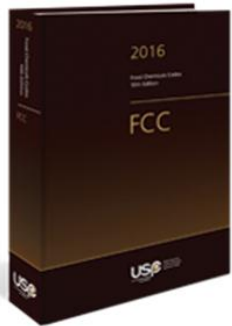


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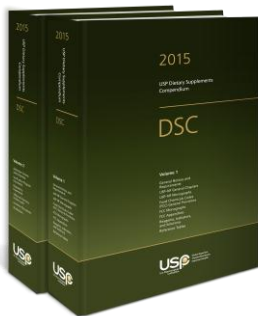
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The *2015 DSC* has about 100 more monographs; over 40 new or revised Admissions Evaluations; more than 20 additional General Chapters; plus 150 pages added of full-color illustrations and/or images have been added. **Save \$100 with promotion code HDWDZZ25. Order now at <http://www.usp.org/dsc-2015>** or by calling USP Customer Service 1-800-227-8772 (U.S. / Canada), +1-301-881-0666, or 00-800-4875-5555 (Select Europe).



USP37–NF32 Archive Available Now! This new Archive complements the earlier Archive, which includes *USP28–NF23* through *USP36–NF31*.

This valuable reference tool designed for scientists and industry professionals is now available electronically. Both Archives are provided as PDF files on USB flash drives. **Order now at <http://www.usp.org/store/products-services/usp-nf-archive>** or by calling USP Customer Service 1-800-227-8772 (U.S. / Canada), +1-301-881-0666, or 00-800-4875-5555 (Select Europe).

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Event Highlights

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USP User Forums Coming to a City Near You!

The USP Account Management Team will be traveling around the world holding free seminars to discuss timely USP initiatives and how to use available USP resources to your advantage.

More information including locations and dates is available [here](#), or contact USPUserForum@usp.org.

[Workshops](#)

USP web forums and workshops encourage discussion of a wide range of current scientific findings and regulatory trends. Participants discuss hot topics that concern the public and exchange practical advice.

Information on workshops is available [here](#).

USP Education

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USP's Education division is dedicated to providing quality education for chemists, scientists, and healthcare practitioners in the United States and around the world. We seek to improve the effective implementation of standards that affect best practices for the development, manufacture, regulation, compounding, storage, and dispensing of pharmaceuticals, dietary supplements, food additives, and other therapeutics. To find a course, please visit Education.usp.org

New course!

GMP Compliance in Quality Operations for Dietary Supplements

U.S. FDA recently released its 2015 list of cGMP inspection observations for dietary supplements. A total of 30% of major observations were observed in the area of quality control (QC). The FDA observations indicated that 21 Code of Federal Regulations §§ 111.70 and 111.75—GMP compliance requirements for manufacturers—remained challenging.

This course will focus on key aspects and approaches for QC operations to comply with the dietary supplement GMP requirements, and on the use and benefits of USP monographs, test procedures, Reference Standards, and general guidance chapters to help meet GMP compliance. The course will also cover GMP compliance for QC laboratory operations, covering a broad range of topics, including specifications for components and finished products, analytical instrument qualification and calibration, validation and verification of test procedures, and internal and third-party laboratory audits.

June 2, 2016, 8:30 am to 4:00 pm. Available simultaneously as a classroom course in Rockville, MD and via webcast

Sign up [here](#) to receive USP Education information.

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Compendial Highlights

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[New Official Text](#)

RB Revision Bulletins

- [<1> Injections and Implanted Drug Products \(Parenterals\)—Product Quality Tests](#) (posted 25–Mar–2016; official 01–May–2016)
- [Diphenhydramine Hydrochloride Capsules](#) (posted 25–Mar–2016; official 01–May–2016)
- [Diphenhydramine Hydrochloride Oral Solutions](#) (posted 25–Mar–2016; official 01–May–2016)
- [Diphenhydramine and Phenylephrine Hydrochlorides Tablets](#) (posted 25–Mar–2016; official 01–May–2016)
- [Esomeprazole Magnesium](#) (posted 25–Mar–2016; official 01–Apr–2016)
- [Fexofenadine Hydrochloride and Pseudoephedrine Hydrochlorides Extended-Release Tablets](#) (posted 25–Mar–2016; official 01–Apr–2016)
- [Levetiracetam Extended-Release Tablets](#) (posted 25–Mar–2016; official 01–Apr–2016)
- [Levocetirizine Hydrochloride](#) (posted 25–Mar–2016; official 01–Apr–2016)
- [Memantine Hydrochloride Tablets](#) (posted 25–Mar–2016; official 01–Apr–2016)
- [Methocarbamol Tablets](#) (posted 25–Mar–2016; official 01–Apr–2016)
- [Phenylephrine Hydrochloride Tablets](#) (posted 25–Mar–2016; official 01–May–2016)

IRA IRAs

- [Ketorolac Tromethamine](#) (posted 25–Mar–2016; official 01–May–2016)

E [Access USP–NF Errata](#) [Errata Table Updated March 25, 2016](#)

H6 [Stage 6 Notices](#)

Nothing new this month

[Compendial Notices](#)

General Announcements:

- [Pending Monographs Page Updated](#) (25-Mar-2016)

General Chapter Prospectus Notices:

- [<197> Spectroscopic Identification Tests](#) (posted 25-Mar-2016; deadline 25-Apr-2016)

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**Notices of Intent to Revise:**

- Nothing new this month

Call for Candidates:

- [Biologics Stability Expert Panel](#) (deadline: May 15, 2016)

Sign up to receive updates electronically at www.usp.org/store/free-resources/newsletter-and-information.

[Stimuli Articles](#)

- **Evaluation of USP Melting Point Standards by Differential Scanning Calorimetry**
- **Fitness for Use: Decision Rules and Target Measurement Uncertainty**
- **Need for Clear Regulation of Pesticide Residue Limits for Articles of Botanical Origin**

Stimuli Articles can be accessed for free at www.usppf.com

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Tip of the Month

USP-NF Online browser support changes coming soon!

Starting July 1, 2016, USP will support only Internet Explorer 11 and Google Chrome browsers.

The same applies to USP-NF flash drive for units produced after July 1, 2016. Details are posted on www.usp.org on our Support page at:

<https://www.usp.org/support/technical-online-usb-flash-drive-cd-resources>

Question of the Month

Question:

USP General Notices defines a vacuum as less than 20 mm of mercury. Does this refer to the absolute pressure or the reading on the gauge?

Answer:

The citation in General Notices refers to the absolute pressure.

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