



March 2013

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[USP Online Catalog](#)

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 February 2013; 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dates; items that have a new price and/or have a new package size; items with lots that are (or soon will be) no longer valid; and items with new lots since the last email notice.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.

A list of [USP Reference Standards Under Development](#) that we expect to release within six months has been posted. The list is organized by calendar quarter, and can be downloaded as an MS Excel (xls) spreadsheet. It will be updated four times a year.

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.

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USP will be upgrading our system. As a result, all ordering systems will be unavailable during the following times:

Thursday, April 11, 2013, 4:00 p.m. EST through
Tuesday, April 16, 2013, 10:00 a.m. EST.

USP will make every effort to process orders received prior to the scheduled down time. USP will start to process orders again after 10:00 a.m. EST on April 16, 2013.

We apologize in advance for the inconvenience this may cause.

New Reference Standards Now Available

Catalog #	Description	Size	Lot	Price (USD)
1019870	4-Aminobenzoylglutamic Acid	50 mg	F0M031	\$210
1084259	Butyraldehyde	3 x 1.2 mL	F0L063	\$210
1224970	Donepezil-N-Oxide	20 mg	F0M027	\$655
1448560	Moxidectin System Suitability Mixture	50 mg	F0M018	\$655
1483017	Oxazepam Related Compound A	15 mg	F0M023	\$655
1483028	Oxazepam Related Compound B	15 mg	F0M029	\$655
1494228	Pancuronium Bromide Related Compound A	15 mg	F0M045	\$655
1494239	Pancuronium Bromide Related Compound B	15 mg	F0M046	\$655
1494240	Pancuronium Bromide Related Compound C	15 mg	F0M047	\$655
1609818	Salvianolic Acid B	25 mg	F0M013	\$454
1672268	Topotecan Related Compound A	25 mg	F0M019	\$719
1672280	Topotecan Related Compound C	25 mg	F0M028	\$655

Previously Out-of-Stock Items Now Available

Catalog #	Description	Size	Lot	Price (USD)
1273003	Fludrocortisone Acetate	200 mg	I0L284	\$210
1358810	Levalbuterol Related Compound C	30 mg	F1L568	\$655
1381742	Meradimate	500 mg	G0L306	\$210
1478130	Oleic Acid	1 g	H0L373	\$210
1478844	Orlistat Related Compound D	10 mg	G0L570	\$684

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Backorder Availability Estimates, March 11, 2013

Catalog #	Description	Expected Availability*
1044550	Atorvastatin Related Compound D (20 mg)	Q1/13
1061005	Benzotropine Mesylate (200 mg)	Q2/13
1071304	Bile Salts (10 mg)	Q1/13
1096804	Cathinone Hydrochloride Cl (50 mg) (alpha-Aminopropiophenone Hydrochloride)	Q3/13
1171455	Dermatan Sulfate	Q2/13
1229883	Duloxetine Related Compound H (10 mg)	Q1/13
1296031	Glycopyrrolate Related Compound B (75 mg)	Q3/13
1301801	Guanethidine Monosulfate (200 mg)	Q1/13
1612947	Beta-Sitosterol (300 mg)	Q2/13
1643543	Temozolomide (200 mg)	Q1/13

*Dates are targets and may change at any time. Q1/13 January–March 2013; Q2/13 April–June 2013; Q3/13 July–September 2013

Items with New Package Size or New Description

Catalog #	Description	Old Size	Size	Lot	Price (USD)
1189009	Dicloxacillin Sodium	500 mg	300 mg	J1L192	\$210
1224507	Dobutamine Hydrochloride	600 mg	400 mg	I0L492	\$210
1273003	Fludrocortisone Acetate	250 mg	200 mg	I0L284	\$210
1362602	Levonorgestrel	200 mg	125 mg	G0L474	\$210
1381742	Meradimate*	500 mg	500 mg	G0L306	\$210
1478844	Orlistat Related Compound D**	10 mg	10 mg	G0L570	\$684
1530809	Ensulizole***	200 mg	200 mg	H0L309	\$210
1600121	Rebaudioside A	300 mg	500 mg	G0L011	\$356

*Name has changed from Menthyl Anthranilate to Meradimate

** Chemical name changed from N-formyl-L-leucine (3S,4R,6S)-tetrahydro-3-hexyl-2-oxo-6-undecyl-2H-pyran-4-yl ester to N-Formyl-L-leucine (3S,4R,6S)-3-hexyl-2-oxo-6-undecyltetrahydro-2H-pyran-4-yl ester

***Chemical name changed from Phenylbenzimidazole sulfonic acid to 2-phenylbenzimidazole-5-sulfonic acid

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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 February 28, 2013					
Catalog #	Description	Previous Lot/ Valid Use Date	Current Lot	Price (USD)	
1134368	Citric Acid (200 mg)	G0F161 (02/13)	H0K310	\$210	
1144000	Codeine Phosphate CII (100 mg)	K0G040 (02/13)	L0K249	\$278	
1162320	Dacarbazine Related Compound A (50 mg)	H0C052 (02/13)	H1K145	\$655	
1235503	Endotoxin (10,000 USP Endotoxin Units) (COLD SHIPMENT REQUIRED)	G3E069 (02/13)	H0K354	\$210	
1235820	Enoxaparin Sodium (300 mg) (COLD SHIPMENT REQUIRED)	F0I110 (02/13)	G0L137	\$210	
1254009	Estradiol Valerate (100 mg)	L1D286 (02/13)	L2L009	\$210	
1268808	Etoposide (300 mg)	H0C315 (02/13)	H1K394	\$210	
1270355	Ferrous Sulfate (1.5 g)	F0D196 (02/13)	F1K388	\$210	
1359426	Levetiracetam Related Compound A (20 mg)	F0H173 (02/13)	G0K335	\$655	
1372050	Lysophosphatidylcholine (250 mg) (INTERNATIONAL COLD CHAIN SHIPMENT REQUIRED)	F0H229 (02/13)	G0K005	\$256	
1478119	Ofloxacin Related Compound A (25 mg)	F0E276 (02/13)	G0K034	\$655	
1478822	Orlistat Related Compound B (10 mg)	F0G161 (02/13)	G0K407	\$655	
1581005	Pseudoephedrine Hydrochloride (125 mg) (List Chemical)	J1B203 (02/13)	J2K305	\$167	
1604814	Ritonavir Related Compounds Mixture (50 mg)	F0F058 (02/13)	F1K283	\$655	
1625009	Sulfadiazine (200 mg)	J1G290 (02/13)	K0K193	\$210	
1631500	Sulfamethoxazole N4-glucoside (25 mg)	H1D290 (02/13)	I0K227	\$655	
1642212	Sumatriptan Succinate Related Compound A (15 mg)	I0I220 (02/13)	J0K317	\$838	

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No Longer Valid as of March 31, 2013					
Catalog #	Description	Previous Lot/ Valid Use Date	Current Lot	Price (USD)	
1033407	Ampicillin Trihydrate (200 mg)	H0H346 (03/13)	H1L041	\$210	
1046001	Azathioprine (200 mg)	H1H303 (03/13)	I0J145	\$210	
1048620	Benazepril Related Compound A (25 mg)	G0F352 (03/13)	H0K411	\$655	
1134404	Clavam-2-carboxylate Potassium (3.4 ug)	J0I149 (03/13)	K0J282	\$655	
1225703	Doxorubicin Hydrochloride (50 mg)	K1G106 (03/13)	L0K258	\$644	
1260012	Ethinyl Estradiol Related Compound A (20 mg)	I0J071 (03/13)	J0K316	\$655	
1265515	Ethylene Glycol (0.5 mL)	F0G403 (03/13)	G0K011	\$210	
1319002	Hydrocortisone Hemisuccinate (200 mg)	J0H091 (03/13)	K0K423	\$210	
1356734	Lactic Acid (1.5 mL/ampule; 3 ampules)	F0D027 (03/13)	G0L178	\$210	
1358004	Leucovorin Calcium (500 mg)	K0F033 (03/13)	K1K334	\$216	
1370000	Loperamide Hydrochloride (200 mg)	H0C202 (03/13)	H1L093	\$210	
1380105	Melatonin (150 mg)	F0E027 (03/13)	G0K239	\$222	
1478323	Olanzapine Related Compound B (15 mg)	F0H160 (03/13)	G0K318	\$655	
1553768	Pramipexole Related Compound A (15 mg)	F0J114 (03/13)	G0L086	\$655	
1601102	Residual Solvents Mixture - Class 1 (1.2 mL/ampule; 3 ampules)	F1H387 (03/13)	G0K378	\$210	
1643408	Temazepam CIV (200 mg)	H1G187 (03/13)	I0L082	\$278	
1672600	Tramadol Hydrochloride (100 mg)	F0H020 (03/13)	G0L065	\$210	
1702008	Tubocurarine Chloride (175 mg)	K-1 (03/13)	L0L470	\$210	
1711304	Verapamil Related Compound A (50 mg)	H (03/13)	I0J297	\$655	
1033407	Ampicillin Trihydrate (200 mg)	H0H346 (03/13)	H1L041	\$210	

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No Longer Valid as of April 30, 2013

Catalog #	Description	Previous Lot/ Valid Use Date	Current Lot	Price (USD)
1067001	Betamethasone Acetate (500 mg)	K0G274 (04/13)	LOL112	\$210
1142005	Cloxacillin Sodium (200 mg)	L0B086 (04/13)	L1K266	\$210
1150502	Cromolyn Sodium (500 mg)	J1E187 (04/13)	K0L232	\$210
1046089	N-Demethylazithromycin (15 mg)	G0H164 (04/13)	H0K433	\$655
1204000	Dihydrotachysterol (30 mg/ampule; 4 ampules)	J0D250 (04/13)	K0K428	\$210
1234307	Eicosapentaenoic Acid Ethyl Ester (500 mg)	F0H170 (04/13)	G0K225	\$568
1268728	Etodolac Related Compound A (25 mg)	F2G334 (04/13)	F3L074	\$655
1298106	Granisetron Hydrochloride (150 mg)	F0G393 (04/13)	G0K401	\$464
1335417	Ibandronate Sodium (200 mg)	F0K079 (04/13)	G0L114	\$210
1337809	Imipenem Monohydrate (100 mg)	I0H217 (04/13)	I1K226	\$210
1356676	Anhydrous Lactose (100 mg)	G1C004 (04/13)	H0K342	\$210
1358503	Leuprolide Acetate (200 mg) (INTERNATIONAL COLD CHAIN SHIPMENT REQUIRED)	G0H255 (04/13)	H0L044	\$2,051
1445404	Modafinil CIV (200 mg)	F0D351 (04/13)	G0L085	\$336
1478582	Ondansetron Hydrochloride (300 mg)	G2I029 (04/13)	H0K424	\$279
1478618	Ondansetron Related Compound C (30 mg)	G0F283 (04/13)	H0K321	\$655
1485191	Oxycodone CII (200 mg)	K0G276 (04/13)	L0K381	\$278
1608000	Salicylamide (200 mg)	F-4 (04/13)	G0K427	\$210
1614669	Sodium Starch Glycolate Type A (400 mg)	G0E221 (04/13)	H0L048	\$210
1617430	Sotalol Related Compound C (50 mg)	F0C237 (04/13)	G0L123	\$655
1621008	Stearic Acid (500 mg)	J2G054 (04/13)	K0J424	\$210
1678005	Triamcinolone Diacetate (350 mg)	H0F073 (04/13)	I0L189	\$210
1692006	Trimethobenzamide Hydrochloride (200 mg)	H-2 (04/13)	I0J332	\$210
1707883	Valacyclovir Related Compound F (25 mg)	F0I148 (04/13)	G0K360	\$655
1719102	Warfarin Related Compound A (50 mg)	I0H022 (04/13)	J0K371	\$210
1067001	Betamethasone Acetate (500 mg)	K0G274 (04/13)	LOL112	\$210

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Items with New Lots

Catalog #	Description	Previous Lot/ Valid Use Date	Current Lot	Price (USD)
1057507	Benzothiadiazine Related Compound A (100 mg)	I0F027 (02/14)	J0L279	\$655
1134029	Ciclopirox Related Compound A (25 mg)	G0G212 (02/14)	H0L577	\$655
1078711	Buprenorphine Related Compound A CII (25 mg)	G0G353 (03/14)	H0L456	\$655
1093001	Carbamazepine (100 mg) Certified Reference Material (CRM)	K0E209 (02/14)	K1K246	\$210
1189009	Dicloxacillin Sodium (300 mg)	J0C182 (02/14)	J1L192	\$210
1221000	Disodium Guanylate (350 mg)	G0H049 (02/14)	H0L488	\$210
1224507	Dobutamine Hydrochloride (400 mg)	H-1 (03/14)	I0L492	\$210
1271722	Fluconazole Related Compound B (10 mg)	H0H123 (02/14)	I0L387	\$655
1273003	Fludrocortisone Acetate (200 mg)	H (02/14)	I0L284	\$210
1303013	Haloperidol Related Compound A (10 mg)	L0G226 (02/14)	M0L106	\$655
1311408	Homosalate (500 mg)	H0D322 (02/14)	I0L427	\$210
1356789	Lamotrigine Related Compound C (10 mg)	F1K157 (02/14)	F2L329	\$655
1358810	Levalbuterol Related Compound C (30 mg)	F0G165 (01/14)	F1L568	\$655
1362602	Levonorgestrel (125 mg)	F0H323 (02/14)	G0L474	\$210
1396342	Metformin Related Compound C (25 mg)	F0E343 (02/14)	G0L529	\$655
1445470	Mometasone Furoate (200 mg)	H0E009 (02/14)	I0L395	\$210
1463960	Nitazoxanide (200 mg)	F0J149 (03/14)	F1L090	\$210
1478130	Oleic Acid (1 g)	G0J329 (01/14)	H0L373	\$210
1478844	Orlistat Related Compound D (10 mg)	F0I120 (07/13)	G0L570	\$684
1479009	Orphenadrine Citrate (200 mg)	G (02/14)	H0L271	\$210
1481226	Oxaliplatin Related Compound B (15 mg)	G0K180 (02/14)	H0M082	\$655
1481248	Oxaliplatin Related Compound D (10 mg)	F0H336 (03/14)	G0M035	\$655
1485136	Oxybutynin Related Compound C (20 mg)	F0D062 (02/14)	G0L250	\$655
1494807	Pantolactone (500 mg)	G0F242 (02/14)	H0M077	\$655
1494920	Pantoprazole Related Compound C (20 mg)	F0H259 (03/14)	G0L571	\$655
1530809	Ensulizole (200 mg) (2-phenylbenzimidazole-5-sulfonic Acid)	G0I234 (02/14)	H0L309	\$210
1547007	Polymyxin B Sulfate (200 mg) (COLD SHIPMENT REQUIRED)	L0H010 (02/14)	M0L402	\$210
1600121	Rebaudioside A (500 mg)	F0I077 (05/13)	G0L011	\$356
1613804	Sodium Chloride (1 g)	H0K004 (01/14)	I0L447	\$210
1614501	Sodium Nitroprusside (500 mg)	H (02/14)	I0L347	\$210
1623411	Succinic Acid (100 mg)	F0J152 (02/14)	F1L336	\$210
1623502	Succinylcholine Chloride (500 mg)	H1E325 (02/14)	I0L550	\$210
1643703	Terconazole (200 mg)	H0E229 (03/14)	H1L047	\$210
1652001	Tetrahydrozoline Hydrochloride (200 mg)	G1A015 (03/14)	H0L538	\$210
1662504	Thioridazine (200 mg)	H (01/14)	I0M079	\$210
1717708	Vitexin (25 mg)	G0I046 (03/14)	H0L337	\$700

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USP Publication Highlights

	<p>Be Prepared for Compliance—Order <i>USP 36–NF 31</i> Today!</p> <p>The 2013 edition of <i>USP–NF</i> becomes official May 1. Order today for access to important updates, including:</p> <ul style="list-style-type: none">• New General Chapters: <17> Prescription Container Labeling, <1197> Good Distribution Practices for Bulk Pharmaceutical Excipients, and <1761> Applications of Nuclear Magnetic Resonance Spectroscopy• Revised General Chapters: <788> Particulate Matter in Injections, <921> Water Determination, and <1136> Packaging—Unit of Use• 89 new and revised monographs <p>Available in print, online, and USB flash drive formats. Subscribe today at http://uspgo.to/USPNF-2013 or call USP Customer Service at 1-800-227-8772 (U.S. and Canada), +1-301-881-0666, or 00-800-4875-5555 (Select Europe).</p>
	<p><i>Food Chemicals Codex (FCC), Eighth Edition.</i></p> <p>The <i>FCC, Eighth Edition</i>, features more than 1,100 monographs, appendices with step-by-step methods, and helpful information for manufacturers, suppliers, and users of food ingredients—including data from the recently updated USP Food Fraud Database. Subscription includes the main edition plus three supplements that publish at six-month intervals. The first supplement became effective Dec. 1, 2012. The second supplement published Mar. 1, 2013, and becomes effective June 1, 2013. It includes 15 new monographs! Print and online formats. Order at http://uspgo.to/food-chemicals-codex or call USP Customer Service at 1-800-227-8772 (U.S. and Canada), +1-301-881-0666, or 00-800-4875-5555 (Select Europe).</p>
	<p><i>2012 Dietary Supplements Compendium (DSC)—Two-Volume Set Available Now!</i></p> <p>The recently updated <i>DSC</i> has 64 new dietary supplement monographs, 23 Admissions Criteria Safety Reviews, Guidance Documents, ~330 pages of full-color illustrations/images, and more. Order at www.usp.org/store/products-services/dietary-supplements-compedium or call USP Customer Service at 1-800-227-8772 (U.S. and Canada), +1-301-881-0666, or 00-800-4875-5555 (Select Europe).</p>
	<p>Order the New 2013 <i>USP Dictionary</i> for the Latest Drug Name Updates!</p> <p>The 2013 <i>USP Dictionary of USAN and International Drug Names</i> publishes April 1 and features important updates to generic and brand drug names, pronunciations, chemical structures, UNII codes, and more! Available in print and online formats. Order now at http://www.usp.org/store/products-services/usp-dictionary or call USP Customer Service at 1-800-227-8772 (U.S. and Canada), +1-301-881-0666, or 00-800-4875-5555 (Select Europe).</p>



Event Highlights

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](#).

Pharmacopeial Education

USP's Pharmacopeial 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 www.usp.org/education/pe/courses.html

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

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Compendial Highlights

[New Official Text](#)



Revision Bulletins:

Nothing New



IRAs

Nothing New



[Access new USP-NF Errata](#)



New Stage 6 Notices

[Butylparaben](#) (posted 30–Nov–2012; official 01–Dec–2013; updated 11–Feb–2013)

[Compendial Notices](#)

New

[USP 36–NF 31 Flash Drive Information](#) (posted 11–Mar–2013)

[Errata Tables Corrected](#) (posted 22–Feb–2013)

[Butylparaben: Notice of Stage 6 Harmonized Text](#) (posted 30–Nov–2012; official 01–Dec–2013; updated 11–Feb–2013)

Sign up to receive updates electronically at www.usp.org/support-home/opt-information-service.

[Stimuli Articles](#)

Featured in [PF 39\(2\)](#), March–April 2013

None

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Tip of the Month

As part of an ongoing modernization initiative, USP is updating its *USP–NF* general chapters related to organic impurities testing for drug products. The USP Impurities in Drug Products Expert Panel (EP), reporting to the USP 2010–2015 Physical Analysis Expert Committee (EC), has been established and charged with revising General Chapter <1086> Impurities in Drug Substances and Drug Products, which also references General Chapter <466> Ordinary Impurities and General Notices 5.60. With members from industry, FDA and three other USP ECs, the EP will recommend general chapter revisions that will help ensure better control of organic impurities and degradants in drug products. The EP’s work will focus on over-the-counter (OTC) and prescription products.

Contact: Antonio Hernandez-Cardoso, Senior Scientific Liaison, General Chapters (ahc@usp.org or +1-301-816-8308).

[White Paper: Modernization of Organic Impurities in USP Drug Product Monographs](#)

Question of the Month

I want to know if the *USP 35–NF 30* monograph for Sucrose is valid or we still have to follow *USP 34–NF 29*?

The Stage 6 monograph for Sucrose has been postponed. Please see <http://www.usp.org/usp-nf/harmonization/stage-6/sucrose> and <http://www.usp.org/usp-nf/official-text/revision-bulletins/sucrose> for details on this monograph.

Once the color value test gets resolved, the tests in the postponed monograph will be re-introduced. Additionally, all errata found in the revision bulletin will be corrected in the next version of the monograph. Because this is a postponed implementation for the monograph and not a retraction, you can refer to Section 3.10 of the General Notices which provides guidance for the early implementation of proposed standards (postponed version).

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