



April 2014

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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 March 2014; 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dates; items that have a new price and/or have a new package size; items with lots that are (or soon will be) no longer valid; and items with new lots since the last email notice.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 expanded list now includes new **USP Reference Standards that we expect to release within a year**. The list will continue to be updated four times per year and was **updated the week of April 7. With this update, the list of Reference Standards now includes the monograph references**. The list is organized by calendar quarter, and can be downloaded as an MS Excel (xls) spreadsheet.

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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New Reference Standards Now Available

Catalog #	Description	Size	Lot	Price (USD)
1042747	Artemisinin	20 mg	F003U0	\$671
1112467	4-Chlorobenzophenone	30 mg	F003D0	\$671
1173304	Desonide	250 mg	F0M374	\$769
1278018	Fluorometholone Related Compound A	15 mg	F001X0	\$671
1286402	Frovatriptan Racemate	15 mg	F004Q0	\$671
1428229	Methylene Simvastatin	30 mg	F003F0	\$671
1532950	Phenylephrine Bitartrate	25 mg	F003M0	\$215
1592781	Quetiapine Related Compound G	15 mg	F00410	\$671
1598766	Ranolazine Related Compound B	50 mg	F00590	\$671
1598777	Ranolazine Related Compound C	50 mg	F002T0	\$671
1598788	Ranolazine Related Compound D	50 mg	F002V0	\$671
1602580	Rhodiola rosea Root and Rhizome Dry Extract	1 g	F00100	\$215

Previously Out-of-Stock Items Now Available

Catalog #	Description	Size	Lot	Price (USD)
1098129	Ceftazidime Delta-3 Isomer	15 mg	R005C0	\$671
1173202	Desmopressin Acetate	2.01 mg	H0M344	\$215
1192808	Diethanolamine	3 mL	G0M390	\$215
1380546	Memantine Related Compound D	50 mg	G0M216	\$671
1481204	Oxaliplatin	125 mg	R006C0	\$1107
1554669	Praziquantel Related Compound B	50 mg	R005L0	\$671
1709018	Vancomycin B with Monodechlorovancomycin	300 mg	R00300	\$671
1724838	Zoledronic Acid Related Compound A	30 mg	R006D0	\$671

Backorder Availability Estimates, April 7, 2014

Catalog #	Description	Expected Availability*
1051602	Benzhydrol (50 mg)	Q2/14
1096509	Carboprost Tromethamine (25 mg)	Q2/14
1096804	Cathinone Hydrochloride CI (50 mg) (alpha-Aminopropiophenone Hydrochloride)	Q2/14
1098300	Cellulose Acetate (125 mg)	Q2/14
1134380	Clarithromycin Related Compound A (50 mg)	Q2/14
1342208	Insulin (Beef) (100 mg) (COLD SHIPMENT REQUIRED)	Q2/14
1343540	Iodixanol Related Compound C (25 mg)	Q2/14
1375058	Mandelic Acid (500 mg) (AS)	Q2/14
1379254	Melengestrol Acetate (125 mg)	Q2/14
1663008	Thioridazine Hydrochloride (200 mg)	Q2/14
1672257	Topotecan Hydrochloride (350 mg)	Q2/14

*Dates are targets and may change at any time. Q2/14 April–June 2014

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Items with New Package Size or New Description

Catalog #	Description	Old Size	Size	Lot	Price (USD)
1098129	Ceftazidime Delta-3 Isomer	10 mg	15 mg	R005C0	\$671
1500230	Paroxetine Related Compound B*	15 mg	15 mg	R00500	\$671
1551300	Potassium Trichloroammineplatinate	20 mg	25 mg	K0M465	\$671
1554669	Praziquantel Related Compound B**	50 mg	50 mg	R005L0	\$671
1600835	Repaglinide Related Compound B***	50 mg	50 mg	G0M468	\$671
1614807	Sodium Sulfate Anhydrous****	1 g	1 g	R00450	\$215

* The chemical name of this item changed from (Trans-4-phenyl-3-[(3,4-methylenedioxy)phenoxy]methyl]piperidine hydrochloride) to (trans-4-Phenyl-3-[(3,4-methylenedioxy)phenoxy]methyl]piperidine hydrochloride)

**The chemical name of this item was changed to (2-(cyclohexylcarbonyl)-2,3,6,7-tetrahydro-4H-pyrazino [2,1-a]isoquinolin-4-one)

***The chemical name of this item changed from (3-Ethoxy-4-ethoxycarbonyl-phenylacetic acid) to (3-Ethoxy-4-ethoxycarbonylphenylacetic acid)

****The description of this item has changed to remove the (AS) designation.

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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.

Note: #1358820 Levalbuterol Related Compound D (30 mg) Previous Lot F0G168 has a valid use date of (07/14)

No Longer Valid as of March 31, 2014					
Catalog #	Description	Previous Lot/ Valid Use Date	Current Lot	Price (USD)	
1046307	Aztreonam E-Isomer (15 mg)	F1D056 (03/14)	G0L370	\$671	
1049000	Bendroflumethiazide (200 mg)	H0C402 (03/14)	I0M111	\$215	
1056504	1,4-Benzoquinone (200 mg)	H1G332 (03/14)	I0L535	\$215	
1078711	Buprenorphine Related Compound A CII (25 mg)	G0G353 (03/14)	H0L456	\$671	
1087009	Calcium Pantothenate (200 mg) (Vitamin B5)	O1H081 (03/14)	P0L523	\$215	
1134390	Clarithromycin Identity (10 mg)	F2K141 (03/14)	F3L128	\$671	
1171455	Dermatan Sulfate (25 mg) (COLD SHIPMENT REQUIRED)	F1J362 (03/14)	G0M092	\$671	
1224507	Dobutamine Hydrochloride (400 mg)	H-1 (03/14)	I0L492	\$215	
1260023	Ethinyl Estradiol Related Compound B (10 mg)	F0J369 (03/14)	G0M193	\$671	
1284000	Flurandrenolide (100 mg)	I0B245 (03/14)	J0M002	\$215	
1335541	Ibuprofen Related Compound C (0.2 mL/ampule; 3 ampules)	F2H300 (03/14)	G0K364	\$671	
1362103	Levofloxacin (200 mg)	G0J406 (03/14)	H0L298	\$215	
1375105	Mannitol (200 mg)	I1G090 (03/14)	I2L258	\$215	
1437009	Methylprednisolone Hemisuccinate (200 mg)	I1F076 (03/14)	J0L519	\$215	
1449008	Myristyl Alcohol (1 g)	G (03/14)	H0L436	\$215	
1463960	Nitazoxanide (200 mg)	F0J149 (03/14)	F1L090	\$215	
1481248	Oxaliplatin Related Compound D (10 mg)	F0H336 (03/14)	G0M035	\$671	
1494920	Pantoprazole Related Compound C (20 mg)	F0H259 (03/14)	G1M241	\$671	
1535507	Phenytoin Sodium (200 mg)	H1E335 (03/14)	I0L257	\$215	
1539701	Pindolol (200 mg)	I0B210 (03/14)	I1M006	\$215	
1553859	Pramipexole Dihydrochloride Monohydrate (200 mg)	F0J116 (03/14)	G0L469	\$215	
1610001	Scopolamine Hydrobromide (250 mg)	K0G033 (03/14)	L0M054	\$215	
1614308	Sodium Lactate (200 mg)	K0G115 (03/14)	L0L443	\$215	
1622000	Stearyl Alcohol (125 mg)	I0I061 (03/14)	I1L185	\$171	
1643485	Terazosin Related Compound C (25 mg)	G0H361 (03/14)	H0M084	\$671	
1643703	Terconazole (200 mg)	H0E229 (03/14)	H1L047	\$215	
1652001	Tetrahydrozoline Hydrochloride (200 mg)	G1A015 (03/14)	H0L538	\$215	
1717708	Vitexin (25 mg)	G0I046 (03/14)	H0L337	\$718	
1720600	Xylitol (1 g)	G0B037 (03/14)	H0K260	\$215	

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No Longer Valid as of April 30, 2014				
Catalog #	Description	Previous Lot/ Valid Use Date	Current Lot	Price (USD)
1045600	Azaerythromycin A (100 mg) (9-Deoxo-9a-aza-9a-homoerythromycin A)	H0I389 (04/14)	H1L361	\$671
1082708	Butylated Hydroxytoluene (500 mg)	G0I184 (04/14)	H0L344	\$215
1084000	Butylparaben (200 mg)	I0C139 (04/14)	J0L173	\$215
1102929	Cetirizine Hydrochloride (250 mg)	F0G124 (04/14)	G0L451	\$215
1118000	Chloroquine Phosphate (500 mg)	J0J212 (04/14)	J1L043	\$215
1154503	Cyclobenzaprine Hydrochloride (200 mg)	H0G399 (04/14)	I0L264	\$215
1224562	Docetaxel Identification (50 mg)	F0J065 (04/14)	F1L350	\$671
1229828	Duloxetine Related Compound A (10 mg)	F0J324 (04/14)	G0M093	\$671
1234307	Eicosapentaenoic Acid Ethyl Ester (500 mg)	G0K225 (04/14)	H0L521	\$582
1251000	Estradiol Benzoate (250 mg)	H0C332 (04/14)	H1L542	\$215
1256004	Ethacrynic Acid (200 mg)	G0I168 (04/14)	H0L537	\$215
1285750	Flurbiprofen (200 mg)	H0D349 (04/14)	I0L341	\$215
1285873	Fluticasone Propionate (100 mg)	G0K029 (04/14)	H0L509	\$1,061
1288306	Ganciclovir (200 mg)	G0J026 (04/14)	G1L169	\$503
1335701	Idarubicin Hydrochloride (50 mg)	I0D309 (04/14)	J0L467	\$660
1336500	Imidazole (200 mg)	G2E031 (04/14)	H0L375	\$671
1414058	Methotrexate Related Compound E (50 mg)	F0H353 (04/14)	G0L541	\$671
1457006	Naphazoline Hydrochloride (200 mg)	L1H386 (04/14)	M0K405	\$215
1491354	Paclitaxel Related Compound B (20 mg)	I0J243 (04/14)	J0L381	\$1,040
1494217	Pancuronium Bromide (200 mg)	G0J003 (04/14)	G1M044	\$387
1499414	Paricalcitol Solution (3 mL) (COLD SHIPMENT REQUIRED)	I0J286 (04/14)	J0L448	\$402
1533002	Phenylephrine Hydrochloride (200 mg)	L0F273 (04/14)	M0L504	\$215
1541500	Piperacillin (350 mg)	I0H009 (04/14)	J0L275	\$215
1554002	Pramoxine Hydrochloride (400 mg)	I1D197 (04/14)	J0K379	\$215
1564006	Procaine Hydrochloride (200 mg)	I0E089 (04/14)	I1M105	\$215
1568051	Proguanil Related Compound C (25 mg)	F0H125 (04/14)	F1M112	\$671
1568062	Proguanil Related Compound D (25 mg)	F0H128 (04/14)	F1M113	\$671
1585006	Pyrazinamide (200 mg)	H0G198 (04/14)	H1L574	\$215
1600846	Repaglinide Related Compound C (25 mg)	G0E181 (04/14)	H0L382	\$671
1614002	Sodium Fluoride (1 g) (International Restricted Sales Item)	I1H448 (04/14)	J0L230	\$215
1674004	Tretinoin (30 mg/ampule; 5 ampules)	K0H371 (04/14)	K1L254	\$215
1696109	Triprolidine Hydrochloride Z-Isomer (50 mg)	H0I096 (04/14)	I0M185	\$671
1718008	Voriconazole (100 mg)	F0K066 (04/14)	F1L569	\$215
1719102	Warfarin Related Compound A (50 mg)	J0K371 (04/14)	J1M055	\$215

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No Longer Valid as of May 31, 2014					
Catalog #	Description	Previous Lot/ Valid Use Date	Current Lot	Price (USD)	
1012101	Adenine (200 mg)	H0I348 (05/14)	I0M090	\$215	
1042780	Artemether (100 mg)	G0L560 (01/15)	H0M313	\$215	
1048652	Benazepril Related Compound D (15 mg)	F0F149 (05/14)	G0M337	\$671	
1048685	Benazepril Related Compound G (15 mg)	F0F155 (05/14)	G0M066	\$671	
1051500	Benzethonium Chloride (500 mg)	G0I316 (05/14)	G1M022	\$215	
1078766	Bupropion Hydrochloride Related Compound C (40 mg) (COLD SHIPMENT REQUIRED)	H0J330 (05/14)	I0M146	\$730	
1086301	Calcitriol (10 mg) (COLD SHIPMENT REQUIRED)	I0H427 (05/14)	J0M085	\$2,105	
1091221	Captopril Disulfide (100 mg)	H0F251 (05/14)	I0M130	\$671	
1097807	Ceforanide (200 mg)	F-1 (05/14)	G0M081	\$215	
1140418	Clonidine Related Compound A (25 mg)	G0H265 (05/14)	G1M172	\$671	
1141909	Cloxacillin Benzathine (200 mg)	F-1 (05/14)	G0M102	\$215	
1177000	Dexamethasone Phosphate (200 mg)	K1J048 (05/14)	L0M534	\$215	
1229872	Duloxetine Related Compound F (10 mg)	F0J325 (05/14)	H0M463	\$671	
1237611	Epoprostenol Related Compound A (15 mg)	F0L042 (05/14)	F1M152	\$719	
1287008	Furosemide (200 mg)	L0H311 (05/14)	M0M043	\$215	
1288000	Gallamine Triethiodide (200 mg)	F (05/14)	G0M284	\$215	
1294976	Glutamic Acid (200 mg)	F0C069 (05/14)	G0M202	\$215	
1299007	Griseofulvin (200 mg)	I1D406 (05/14)	J0M108	\$215	
1350002	Isopropamide Iodide (200 mg)	F-2 (05/14)	G0M260	\$215	
1350603	Isopropyl Palmitate (500 mg)	J0H390 (05/14)	K0K320	\$215	
1356982	Letrozole Related Compound A (25 mg)	H0I119 (05/14)	I0M107	\$671	
1370462	Losartan Potassium (150 mg)	G0G169 (05/14)	H1M331	\$215	
1433008	Methylphenidate Hydrochloride CII (125 mg)	J0G307 (05/14)	K0M063	\$228	
1438001	Methyltestosterone CIII (250 mg)	J1E324 (05/14)	K0M353	\$285	
1457083	Naphthalene (200 mg)	G0I219 (05/14)	H0L124	\$215	
1460500	Netilmicin Sulfate (500 mg)	I0C388 (05/14)	J0L321	\$215	
1478593	Ondansetron Related Compound A (50 mg)	G0G305 (05/14)	H0L452	\$671	
1561008	Prilocaine Hydrochloride (200 mg)	F3B215 (05/14)	G0L549	\$215	
1593401	Quinapril Hydrochloride (400 mg)	G0H422 (05/14)	H0L434	\$448	
1601441	Residual Solvent Class 2 - Methylene Chloride (1.2 mL/ampule; 3 ampules)	G0H319 (05/14)	H0L543	\$215	
1612029	Sennoside B (20 mg)	F0I209 (05/14)	G0L245	\$358	
1707908	Valerenic Acid (15 mg)	I0G329 (05/14)	J0L418	\$959	

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Items with New Lots

Catalog #	Description	Previous Lot/ Valid Use Date	Current Lot	Price (USD)
1042780	Artemether (100 mg)	G0L560 (01/15)	H0M313	\$215
1092009	Carbachol (200 mg)	G1E010 (03/15)	G2M012	\$215
1098050	Cefprozil (Z)-Isomer (200 mg)	I0H203 (03/15)	J0L491	\$215
1098129	Ceftazidime, Delta-3-Isomer (15 mg)	I0G189 (03/15)	R005C0	\$671
1150003	Cortisone Acetate (150 mg)	I (04/15)	J0M362	\$215
1173202	Desmopressin Acetate (COLD SHIPMENT REQUIRED)	G0K019 (10/13)	H0M344	\$215
1173235	Desogestrel (50 mg)	H0H041 (03/15)	I0L398	\$215
1192808	Diethanolamine (3 mL)	F0D118 (02/15)	G0M390	\$215
1356778	Lamotrigine Related Compound B (20 mg)	F0H261 (03/15)	F1M414	\$671
1380546	Memantine Related Compound D (50 mg)	F0L054 (03/15)	G0M216	\$671
1431501	Methyl Myristate (300 mg)	G0C357 (03/15)	H0M269	\$215
1448005	Morphine Sulfate CII (500 mg)	P0H037 (03/15)	Q0M364	\$458
1478527	Omeprazole Related Compound E (15 mg)	F0L223 (03/15)	F1M515	\$671
1478549	Omeprazole Magnesium (10 mg)	F0G259 (03/15)	F1M514	\$215
1478561	Omeprazole Related Compound I (15 mg)	F0L224 (03/15)	F1M516	\$671
1481204	Oxaliplatin (125 mg)	G0L253 (03/15)	R006C0	\$1,107
1483301	Oxfendazole (200 mg)	F0C128 (03/15)	R004P0	\$215
1500230	Paroxetine Related Compound B (15 mg)	H0F216 (03/15)	R00500	\$671
1551300	Potassium Trichloroammineplatinate (25 mg)	J0I347 (03/15)	K0M465	\$671
1554669	Praziquantel Related Compound B (50 mg)	G0E039 (04/15)	R005L0	\$671
1600835	Repaglinide Related Compound B (50 mg)	F0B269 (04/15)	G0M468	\$671
1601747	Residual Solvent Class 2 - Pyridine (1.2 mL/ampule; 3 ampules)	F0D215 (03/15)	R00250	\$215
1614807	Sodium Sulfate Anhydrous (1 g)	F0D112 (04/15)	R00450	\$215
1643437	Telmisartan Related Compound B (15 mg)	G0J270 (03/15)	H0M142	\$671
1699005	Tropicamide (200 mg)	H0E307 (03/15)	R00350	\$171
1711009	Vanillin Melting Point Standard (1 g) (Approximately 82 degrees)	K0F097 (03/15)	L0M294	\$129
1724838	Zoledronic Acid Related Compound A (30 mg)	F0J360 (02/15)	R006D0	\$671

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USP Publication Highlights

	<p>Be Prepared for Compliance in 2014—Order <i>USP 37–NF 32</i> Today! The 2014 edition of <i>USP–NF</i> becomes official May 1, 2014. Order today for access to important updates, including:</p> <ul style="list-style-type: none"> • New or revised general chapters: <5> <i>Inhalation and Nasal Drug Products—General Information and Product Quality Tests</i>, <787> <i>Subvisible Particulate Matter in Therapeutic Protein Injections</i>, <790> <i>Visible Particulates in Injections</i>, <1094> <i>Capsules—Dissolution Testing and Related Quality Attributes</i>, and more. • More than 180 new or revised monographs, including 103 that are newly modernized! <p>Available in 4-volume print, online, and USB flash drive formats. Subscribe today at http://uspgo.to/USPNF-2014 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>
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	<p><i>Dietary Supplements Compendium (DSC)</i>—Two-Volume Set Available! The current <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 http://uspgo.to/dsc-2012 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>The New 2014 <i>USP Dictionary</i> Includes 1,300+ Drug Name Updates! The 2014 <i>USP Dictionary of USAN and International Drug Names</i> publishes in April—featuring 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://uspgo.to/USAN-2014 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

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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.

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USP's Global Education and Training 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.

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Compendial Highlights

New Official Text



Revision Bulletins

- [Alprazolam Extended-Release Tablets](#) (posted 28–Mar–2014; official 01–Apr–2014)
- [Chlorhexidine Acetate](#) (posted 28–Mar–2014; official 01–Apr–2014)
- [Chlorhexidine Gluconate Solution](#) (posted 28–Mar–2014; official 01–Apr–2014)
- [Chlorhexidine Hydrochloride](#) (posted 28–Mar–2014; official 01–Apr–2014)
- [Ropinirole Hydrochloride](#) (posted 28–Mar–2014; official 01–May–2014)
- [Valsartan and Hydrochlorothiazide Tablets](#) (posted 28–Mar–2014; official 01–Apr–2014)



IRAs

- [Acetaminophen](#) (posted 28–Mar–2014; official 01–May–2014)
- [Loperamide Hydrochloride Oral Solution](#) (posted 28–Mar–2014; official 01–May–2014)



Access new USP–NF Errata



New Stage 6 Notices

- [Sucrose](#) (posted 27–Sep–2013; official 01–Aug–2014, updated 28–Mar–2014)

Compendial Notices

- [Proposed General Chapter <800> Hazardous Drugs—Handling in Healthcare Setting](#) (posted 28–Mar–2014)

General Announcements:

- [Veterinary Key Issues Page Updated](#) (posted 28–Mar–2014)
- [Compounding Key Issues Page Updated](#) (posted 28–Mar–2014)
- [Nominations Requested for USP Volunteers Awards and Recognition Program](#) (posted 28–Mar–2014)
- [Pending Monographs Update](#) (posted 28–Mar–2014)
- [Monograph Modernization List Updated](#) (posted 28–Mar–2014)
- [Errata Table Updated](#) (posted 28–Mar–2014)

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[Stimuli Articles](#)

Featured in *PF 40(2)*, March–April 2014

- Name Confusion Between Hydromorphone and Morphine: Safety in Patient Care
- PHARMACEUTICAL PACKAGING: MOISTURE PERMEATION AND INTEGRITY TESTING—A Stimuli article based on a workshop co-sponsored by the U.S. Pharmacopeial Convention (USP) and the Product Quality Research Institute (PQRI), held May 20–21, 2013, at USP Headquarters, Rockville, MD

Tip of the Month

Did you know USP offers live and on-demand webinars in addition to classroom training? Check out our latest courses at www.usp.org/meetings-courses/courses/search-courses.

Question of the Month

Is the package size of a USP Reference Standard an exact weight?

Typically, the package size is an approximate weight. Where it is directed that a Standard solution or a Standard preparation be prepared for a quantitative determination by stepwise dilution or otherwise, it is intended that the Reference Standard substance be accurately weighed. Some standards (mainly materials with significant handling requirements or materials that are available only in small amounts) are provided in single-use containers. Such single-use products generally are lyophilized, and their content is labeled in mass or activity units per container. If so labeled, the contents of the container should be reconstituted in its entirety without any additional weighing. Instructions for reconstitution are given either on the label or in the monographs where the standard is used.

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