



September 2013

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dates; items that have a new price and/or have a new package size; items with lots that are (or soon will be) no longer valid; and items with new lots since the last email notice.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

An expanded list of [USP Reference Standards Under Development](#) has been recently 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. 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)
1234249	Eflornithine Hydrochloride	150 mg	F0K432	\$210
1304118	Low Molecular Weight Heparin for Bioassays	5 mg	F0L159	\$422
1584105	Pyrantel Tartrate	200 mg	F0L575	\$210

Previously Out-of-Stock Items Now Available

Catalog #	Description	Size	Lot	Price (USD)
1178002	Dexbrompheniramine Maleate	200 mg	K0M358	\$210
1362500	Levonordefrin	200 mg	G0M346	\$210
1600824	Repaglinide Related Compound A	10 mg	I0M345	\$655
1643543	Temozolomide	200 mg	H0M330	\$491

Backorder Availability Estimates, September 3, 2013

Catalog #	Description	Expected Availability*
1044549	Atorvastatin Related Compound C (20 mg)	Q3/13
1071009	Bethanechol Chloride (200 mg)	Q3/13
1096509	Carboprost Tromethamine (25 mg)	Q1/14
1096804	Cathinone Hydrochloride Cl (50 mg) (alpha-Aminopropiophenone Hydrochloride)	Q1/14
1177000	Dexamethasone Phosphate (200 mg)	Q1/14
1234103	Efavirenz	Q3/13
1285603	Flurazepam Related Compound F (50 mg)	Q4/13
1344305	o-Iodohippuric Acid (100 mg)	Q3/13
1438001	Methyltestosterone CIII (200 mg)	Q4/13
1535733	Phosphatidylcholine (350 mg)	Q4/13
1643656	Tenofovir Disoproxil Fumarate (200 mg)	Q3/13
1711100	Vasopressin (1.71 mg) (8-L-arginine vasopressin) (COLD SHIPMENT REQUIRED)	Q3/13

*Dates are targets and may change at any time. Q3/13 July–September 2013; Q4/13 October–December 2013; Q1/14 January–March 2014

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Items with New Package Size or New Description

Catalog #	Description	Old Size	Size	Lot	Price (USD)
1048630	Benazepril Related Compound B*	15 mg	15 mg	J0M140	\$655
1078733	Bupropion Hydrochloride	200 mg	150 mg	I0L057	\$279
1133580	Oversulfated Chondroitin Sulfate**	10 mg	10 mg	H0M191	\$703
1202005	Dihydroergotamine Mesylate	500 mg	250 mg	L0M289	\$210
1708795	Valsartan Related Compound C***	10 mg	10 mg	J0M318	\$838

*The chemical name has changed to ((3S)-3-[[[(1R)-1-(ethoxycarbonyl)-3-phenylpropyl]amino]-2,3,4,5-tetrahydro-2-oxo-1H-1-benzazepine-1-acetic acid, monohydrochloride)

**Cold Shipment no longer required

***The chemical name is (N-valeryl-N-[[2'-(1H-tetrazole-5-yl)biphenyl-4-yl]methyl]-L-valine benzyl ester)

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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 August 31, 2013					
Catalog #	Description	Previous Lot/ Valid Use Date	Current Lot	Price (USD)	
1005706	Glacial Acetic Acid (1.5 mL/ampule; 3 ampules)	G0E279 (08/13)	H0K218	\$210	
1044538	Atorvastatin Related Compound B (20 mg)	G0J256 (08/13)	H0L297	\$655	
1069007	Betamethasone Valerate (200 mg)	K0C330 (08/13)	L0K350	\$210	
1078755	Bupropion Hydrochloride Related Compound B (10 mg)	F0E011 (08/13)	G0L045	\$712	
1086312	Calcitriol Solution (5 mL) (COLD SHIPMENT REQUIRED)	F1J229 (08/13)	F2L073	\$258	
1090739	Capecitabine Related Compound C (10 mg) (COLD SHIPMENT REQUIRED)	H0L147 (08/13)	I0L372	\$655	
1097603	Cefazolin (200 mg)	L0C345 (08/13)	L1K284	\$210	
1141024	Clotrimazole Related Compound A (25 mg)	J0I329 (08/13)	J1K352	\$655	
1164008	Dapsone (200 mg)	H0D260 (08/13)	I0L013	\$210	
1231808	Econazole Nitrate (100 mg)	G1C346 (08/13)	H0K380	\$210	
1295800	Glycine (200 mg)	G1H369 (08/13)	H0L015	\$210	
1301801	Guanethidine Monosulfate (200 mg)	F1F192 (08/13)	G0L530	\$210	
1347653	Irinotecan Related Compound D (15 mg)	F0I246 (08/13)	G0L060	\$655	
1350400	Isopropyl Myristate (500 mg)	J0D247 (08/13)	K0K143	\$210	
1381742	Meradimate (500 mg/ampule) (Menthyl Anthranilate)	F0B103 (08/13)	G0L306	\$210	
1431603	Methyl Palmitate (300 mg)	G0E329 (08/13)	H0K274	\$210	
1443307	Mezlocillin Sodium (350 mg)	H0H213 (08/13)	H1L027	\$210	
1453005	Naloxone (125 mg)	M1I123 (08/13)	M2L247	\$167	
1477003	Nystatin (200 mg) (COLD SHIPMENT REQUIRED)	O1G308 (08/13)	O2K402	\$210	
1481204	Oxaliplatin (125 mg)	F0H306 (08/13)	G0L253	\$1,080	
1481237	Oxaliplatin Related Compound C (20 mg)	G0K194 (08/13)	H0L353	\$655	
1498706	Parbendazole (200 mg)	G0F331 (08/13)	H0L293	\$210	
1546900	Polyethylene Terephthalate (PET) (3 Strips)	G0G240 (08/13)	H0L135	\$210	
1570009	Promethazine Hydrochloride (500 mg)	L0F056 (08/13)	M0L315	\$210	
1612652	Simethicone (50 g)	K0I213 (08/13)	LOJ395	\$210	
1643543	Temozolomide (200 mg)	F0J088 (08/13)		\$491	
1705323	Ubidecarenone Related Compound A (15 mg) (Coenzyme Q9) (COLD SHIPMENT REQUIRED)	G0I163 (08/13)	H0K297	\$655	
1708762	Valsartan (350 mg)	K1K224 (08/13)	L0L195	\$210	
1724521	Zidovudine Related Compound B (25 mg)	I0I363 (08/13)	J0K278	\$655	

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No Longer Valid as of September 30, 2013					
Catalog #	Description	Previous Lot/ Valid Use Date		Current Lot	Price (USD)
1000452	Abacavir Related Compound C (20 mg)	F0H285	(09/13)	F1L322	\$655
1071508	Biotin (200 mg)	I0D114	(09/13)	J0L310	\$210
1081501	Butamben (200 mg)	G0F059	(09/13)	H0K373	\$210
1121005	Chlorothiazide (200 mg)	H2J042	(09/13)	I0L188	\$210
1134313	Ciprofloxacin (200 mg)	H0E306	(09/13)	I0L049	\$167
1134357	Cisplatin (100 mg)	I0F250	(09/13)	J0L420	\$210
1161010	Cyproheptadine Related Compound A (40 mg)	F0F350	(09/13)	F1L356	\$655
1179876	Dextran 40 Calibration (100 mg)	F0C011	(09/13)	G0L325	\$210
1182000	Diacetylfluorescein (200 mg)	H	(09/13)	I0L140	\$210
1201002	17alpha-Dihydroequilin (50 mg)	I0C277	(09/13)	J0L148	\$279
1225419	Doxazosin Mesylate (200 mg)	G0E173	(09/13)	H0L151	\$210
1229410	Drospirenone Related Compound A (15 mg)	F0J033	(09/13)	G0L263	\$655
1234147	Efavirenz Related Compound B (10 mg)	F1L236	(09/13)	G0L438	\$655
1265504	Ethylcellulose (1 g)	I1K174	(09/13)	J0L385	\$210
1267000	Ethylparaben (200 mg)	I1F039	(09/13)	I2L094	\$210
1286606	L-Fucose (200 mg)	F0E007	(09/13)	G0L330	\$220
1294207	Glucosamine Hydrochloride (200 mg)	F1L072	(09/13)	G0M183	\$210
1344702	Iopamidol (200 mg)	G	(09/13)	G1K357	\$210
1354251	Itraconazole (100 mg)	F0H188	(09/13)	G0K425	\$210
1370350	Lorazepam Related Compound D (25 mg)	I0J083	(09/13)	J0L024	\$655
1379106	Megestrol Acetate (250 mg)	J0J101	(09/13)	K0K333	\$210
1441232	Metoprolol Related Compound A (20 mg)	G0I042	(09/13)	H0K399	\$700
1443806	Milbemycin Oxime (200 mg)	F0J089	(09/13)	F1L058	\$210
1445007	Mitotane (500 mg)	H0J358	(09/13)	H1L374	\$210
1448923	Mupirocin Lithium (100 mg)	I0H095	(09/13)	J0J376	\$210
1478301	Olanzapine (200 mg)	F0H200	(09/13)	G0L368	\$210
1482207	Oxaprozin (200 mg)	F0C115	(09/13)	G0L342	\$210
1494942	Pantoprazole Related Compound E (20 mg)	F0H271	(09/13)	G1M243	\$655
1667600	Alpha Tocopherol (250 mg)	N0F068	(09/13)	O0K291	\$210
1700512	Tryptophan Related Compound A (15 mg)	F0I189	(09/13)	F1L273	\$655
1708795	Valsartan Related Compound C (10 mg)	H1J021	(09/13)	I0L225	\$838
1713004	Vinblastine Sulfate (50 mg)	N0H327	(09/13)	O0K122	\$476

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No Longer Valid as of October 31, 2013				
Catalog #	Description	Previous Lot/ Valid Use Date	Current Lot	Price (USD)
1000420	Abacavir Related Compound A (20 mg)	F0H284 (10/13)	F1L311	\$655
1000441	Abacavir Related Compound B (20 mg)	F0H283 (10/13)	F1L318	\$655
1006801	Acetone (1.5 mL/ampule; 3 ampules)	G0I176 (10/13)	H0K208	\$210
1012950	Alliin (25 mg)	F (10/13)	F1L004	\$600
1044550	Atorvastatin Related Compound D (10 mg)	G0J257 (10/13)	H0M138	\$655
1046409	Open Ring Aztreonam (10 mg)	H0J067 (10/13)	H1K400	\$655
1061005	Benzotropine Mesylate (200 mg)	I1H117 (10/13)	J0M328	\$210
1086006	Caffeine Melting Point Standard (1 g) (Approximately 236 degrees)	K0D372 (10/13)	K2M218	\$126
1090717	Capecitabine Related Compound A (10 mg)	G0J207 (10/13)	H0L146	\$655
1096000	Carbinoxamine Maleate (200 mg)	H1G030 (10/13)	I0K403	\$210
1096917	Cefaclor, Delta-3 Isomer (15 mg)	H0G136 (10/13)	I0L239	\$655
1098130	Ceftazidime Pentahydrate (300 mg)	I0I233 (10/13)	I1K237	\$210
1134142	R-Citalopram Oxalate (10 mg) (R-1-[3-(dimethylamino)propyl]-1-(p-fluorophenyl)-5-phthalanarbonitrile oxalate)	F0I147 (10/13)	G0L158	\$655
1134244	Citalopram Related Compound A (25 mg)	F0G046 (10/13)	G0L327	\$655
1134277	Citalopram Related Compound D (15 mg)	G0I121 (10/13)	H0L320	\$655
1161000	Cyproheptadine Hydrochloride (500 mg)	H0I002 (10/13)	H1L349	\$210
1237000	Epinephrine Bitartrate (200 mg)	P0E320 (10/13)	P1L152	\$210
1239005	Ergocalciferol (30 mg/ampule; 5 ampules) (Vitamin D2)	Q0I099 (10/13)	R0K341	\$227
1290002	Gentian Violet (650 mg)	G0E112 (10/13)	G1K417	\$210
1362114	Levofloxacin Related Compound A (25 mg)	F0H189 (10/13)	F1L118	\$655
1383001	Meperidine Hydrochloride CI (200 mg)	I (10/13)	J0L299	\$278
1392454	Meropenem (300 mg)	I0J244 (10/13)	J0K434	\$246
1418004	Methoxyflurane (0.5 mL)	H0K111 (10/13)	I0K263	\$210
1443205	Metyrosine (200 mg)	F (10/13)	F1K312	\$210
1444300	Misoprostol (100 mg)	F0I225 (10/13)	G0L351	\$574
1494931	Pantoprazole Related Compounds D and F Mixture (20 mg)	F0H260 (10/13)	G0L326	\$655
1510867	Pergolide Sulfoxide (50 mg)	F0B014 (10/13)	F1L379	\$260
1515000	Phenazopyridine Hydrochloride (200 mg)	H0C426 (10/13)	I0L180	\$210
1541805	Piperazine Citrate (200 mg)	F (10/13)	F1L126	\$210
1604803	Ritonavir (200 mg)	F0F049 (10/13)	G0L143	\$210
1612540	Sevoflurane (1 mL)	H0H090 (10/13)	H1K268	\$210
1612594	Sevoflurane Related Compound C (0.2 mL)	F0D142 (10/13)	G0J253	\$655
1617419	Sotalol Related Compound A (50 mg)	F0C235 (10/13)	F1L477	\$655
1642223	Sumatriptan Succinate Related Compound C (50 mg)	F0C230 (10/13)	G0L389	\$838
1667530	Tinidazole Related Compound A (100 mg)	F0C091 (10/13)	G0L081	\$655
1724827	Zoledronic Acid (150 mg)	F0J357 (10/13)	G0L332	\$210

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Items with New Lots

Catalog #	Description	Previous Lot/ Valid Use Date	Current Lot	Price (USD)
1029512	Amlodipine Related Compound A (15 mg)	G0L172 (07/14)	H0M312	\$655
1041008	Apomorphine Hydrochloride (250 mg)	H (08/14)	I0M162	\$218
1044800	Atracurium Besylate (100 mg)	F1H342 (08/14)	G0L391	\$210
1048630	Benazepril Related Compound B (15 mg)	I0K261 (09/14)	J0M140	\$655
1048652	Benazepril Related Compound D (15 mg)	F0F149 (05/14)	G0M337	\$655
1061005	Benztropine Mesylate (200 mg)	I1H117 (10/13)	J0M328	\$210
1078733	Bupropion Hydrochloride (150 mg)	H0G179 (09/14)	I0L057	\$279
1109000	Chlordiazepoxide CIV (200 mg)	I0B063 (08/14)	I1M083	\$278
1133580	Oversulfated Chondroitin Sulfate (10 mg)	G0J156 (08/14)	H0M191	\$703
1134153	Cilostazol (200 mg)	F0G071 (08/14)	G0M316	\$524
1178002	Dexbrompheniramine Maleate (200 mg)	J (07/14)	K0M358	\$210
1202005	Dihydroergotamine Mesylate (250 mg)	K0H019 (08/14)	L0M289	\$210
1242032	Erythromycin Related Compound N (50 mg)	G0H032 (08/14)	H0L401	\$655
1260023	Ethinyl Estradiol Related Compound B (10 mg)	F0J369 (03/14)	G0M193	\$655
1285964	Fluvastatin Related Compound B (15 mg)	F0F017 (08/14)	G0M042	\$655
1286661	Fulvestrant System Suitability Mixture (15 mg)	F0H069 (08/14)	F1M180	\$666
1295888	Glycyrrhizic Acid (25 mg)	G0H394 (07/14)	H0M322	\$655
1340960	Inositol (500 mg)	F0G327 (08/14)	G0M192	\$210
1375025	Maltose Monohydrate (500 mg)	F0E035 (08/14)	G0M059	\$210
1414003	Methotrexate (500 mg)	J0D109 (08/14)	K0M020	\$210
1430349	Methyl Linolenate (5 x 50 mg) (COLD SHIPMENT REQUIRED)	H0I008 (07/14)	I0M080	\$210
1505007	Pentazocine CIV (500 mg)	I0C418 (08/14)	J0L396	\$278
1546853	Polyethylene Oxide (100 mg)	F-1 (08/14)	G0L084	\$210
1557000	Prednisolone Sodium Phosphate (500 mg)	F1H347 (09/14)	G0L556	\$210
1559505	Prednisone Tablets (30 tablets)	Q1L136 (12/13)	Q2L493	\$243
1598053	Rabeprazole Related Compound D (25 mg)	F0L167 (09/14)	F1M254	\$655
1598064	Rabeprazole Related Compound E (25 mg)	F0L168 (09/14)	F1M255	\$655
1600824	Repaglinide Related Compound A (10 mg)	H0L007 (08/14)	I0M345	\$655
1617420	Sotalol Related Compound B (50 mg)	F0C236 (09/14)	G0L564	\$655
1635002	Sulfapyridine Melting Point Standard (1 g) (Approximately 191 degrees)	J2I141 (12/13)	K0L179	\$126
1643543	Temozolomide (200 mg)	G0L449 (06/14)	H0M330	\$491
1708795	Valsartan Related Compound C (10 mg)	I0L225 (08/14)	J0M318	\$838

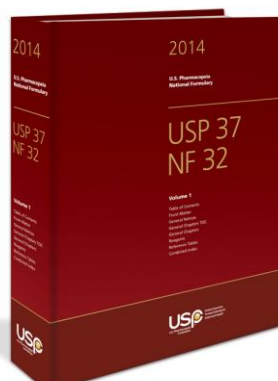
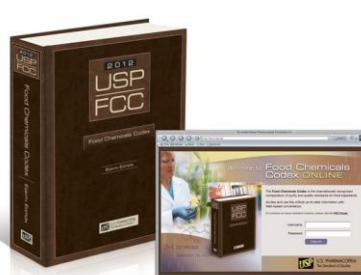
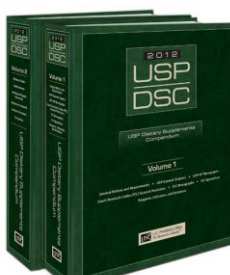
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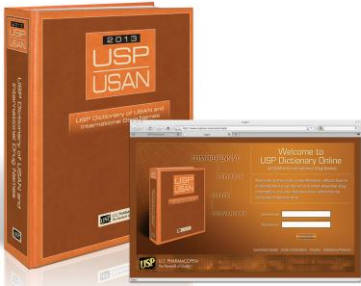
USP Publication Highlights

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It's time to renew *USP–NF* for 2014! Subscribers with USP Online Store accounts can log into their accounts and view subscription information by clicking “Yes” under the “Renewal Alert”; customers without USP Online Store accounts will receive their renewal information by email or mail. Should you have any questions or would like to renew at anytime by phone, contact USP Customer Service at 1-800-227-8772 (U.S. and Canada), +1-301-881-0666, or 00-800-4875-5555 (Select Europe).

	<p>Be Prepared for Compliance in 2014—Pre-order <i>USP 37–NF 32</i> Today! The 2014 edition of <i>USP–NF</i> publishes on November 1. Pre-order today for access to important updates, including:</p> <ul style="list-style-type: none"> • New or revised general chapters: <268> <i>Porosity by Nitrogen Adsorption–Desorption</i>, <571> <i>Vitamin A Assay</i>, <581> <i>Vitamin D Assay</i>, <645> <i>Water Conductivity</i>, <735> <i>X-ray Fluorescence Spectrometry</i>, and more • More than 100 new or revised monographs, including 50 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>
	<p><i>Food Chemicals Codex (FCC), Eighth Edition.</i> 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. The <i>Third Supplement</i> published September 1, 2013, with 20 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!</i> 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 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 for the Latest Drug Name Updates!</i> The 2013 <i>USP Dictionary of USAN and International Drug Names</i> published 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>
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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](#).

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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.

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Compendial Highlights

[New Official Text](#)

RB **Revision Bulletins:**
Nothing New

IRA **IRAs**
Nothing New

E [Access new USP–NF Errata](#)

H6 [New Stage 6 Notices](#)
Next posting date: **September 27, 2013**

[Compendial Notices](#)

Nothing New

General Announcements:

[Elemental Impurities Implementation Advisory Group: Meeting #2 Summary Posted](#) (30–Aug–2013)
[FCC 8, Third Supplement Commentary](#) (30–Aug–2013)

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

[Stimuli Articles](#)

Featured in *PF 39(5)*, September–October 2013

- Confirmation of Analytical Method Calibration Linearity: Practical Application
- DNA-Based Methods for Authentication of Articles of Botanical Origin—Compendial Applications
- Lifecycle Management of Analytical Procedures: Method Development, Procedure Performance Qualification, and Procedure Performance Verification
- Ophthalmic Preparations
- System Suitability for USP Chromatographic Procedures—Small Molecules

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Tip of the Month

Check out the Stimuli Article in *PF 39(4)* “USP Melting Point Reference Standards: Evaluation of Parameters That Affect the Melting Point.” This *Stimuli* article reports the results of a study that assesses the importance of ramp rate, pulverization, and capillary height for the determination of melting point measurements using USP Melting Point Reference Standards when conducted using either Apparatus I or II or DSC. The standardization of these parameters during testing will lead to a redefinition of the acceptance criteria for all the USP Melting Point Reference Standards that will be released by the end of 2013. In addition, a revision of chapter $\langle 741 \rangle$ is proposed to better specify experimental melting point conditions such as dried material that has been gently pulverized and introduced in a capillary tube to a height of 3 mm with a $1^{\circ}/\text{min}$ ramp rate.

Question of the Month

In the USP monograph for Glycerin, the Assay specifies Sodium periodate solution preparation. This preparation calls for the use of Glycerin. Is this Glycerin supposed to be a reagent or is it the sample Glycerin?

Since the item is capitalized and it is in the Glycerin monograph itself, the item refers to the test article that is the Glycerin sample.