ERRATA

Following is a list of errata and corrections to *USP–NF*. The page number indicates where the item is found and in which official or pending official publication of *USP–NF*. As necessary, this list will be updated with the posting of monthly errata reports on www.usp.org/USPNF/newOfficialTextand in every issue of *PF*. This information will also be available as a cumulative table in future *Supplements*, and will appear in its corrected form in a future annual edition of *USP–NF*. An erratum consists of content erroneously published that does not accurately reflect the intended official or effective requirements as approved by the Council of Experts. USP staff is available to respond to questions regarding the accuracy of a particular requirement by calling 1-800-822-USPC.

USP32–NF27			
Page	Title	Section	Description
1679	Biotin	Chemical Formula	Change "1 H -Thieno3,4- d imidazole-4-pentanoic acid, hexahydro-2-oxo-, 3a S -(3a α ,4 β ,6a α) (3a S ,4 S ,6a R)-Hexahydro-2-oxo-1 H -thieno3,4- d imidazole-4-valeric acid [S 8- S 5- S]. " to: 1 H -Thieno[3,4- d]imidazole-4-pentanoic acid, hexahydro-2-oxo-, [3a S -(3a α ,4 β ,6a α)] (3a S 4 S 5- S 8)-Hexahydro-2-oxo-1 H -thieno[3,4- d]imidazole-4-valeric acid [S 8- S 5- S 9].
1685	Bismuth Subcarbonate	Limit of lead	Line 12 under <i>Procedure</i> : Change "C / 12,500." to: C / 1250.
1943	Ciprofloxacin Ophthalmic Ointment	Assay	Line 7–8 under <i>Procedure</i> : Change "(331.34 / 385.82)(25 C / W)(r_U / r_S) in which 331.34 and 385.82 are the molecular weights of ciprofloxacin and ciprofloxacin hydrochloride monohydrate, respectively;" to: (331.34 / 367.81)(25 C / W)(r_U / r_S) in which 331.34 and 367.81 are the molecular weights of ciprofloxacin and anhydrous ciprofloxacin hydrochloride, respectively;
1958	Clarithromycin for Oral Suspension	USP Reference standards $\langle 11 \rangle$	Delete "USP Clarithromycin Related Compound A RS."
2828	Magnesia Tablets	Assay	Line 4: Change "flask, and proceed as directed in the Assay under Milk of Magnesia beginning with "Dissolve in 10 mL of 3 N hydrochloric acid."" to: flask. Dissolve in 10 mL of 3 N hydrochloric acid, dilute with water to volume, and mix. Proceed as directed in the Assay under Milk of Magnesia beginning with "Filter, if necessary, and transfer 25.0 mL of the filtrate."
2863	Medroxyprogesterone Acetate Injectable Sus- pension	Assay	Line 3 under Chromatographic system: Change "The flow rate is about 2 mL per minutes." to: The Mobile phase is maintained at a flow rate capable of giving the required resolution and suitable elution times. Line 1 under Procedure: Change "Proceed as directed in the Assay under Medroxyprogesterone Acetate." to: Separately inject equal volumes (about 10 µL) of the Standard preparation and Assay preparation into the chromatograph, record the chromatograms, and measure the responses for the major peaks.
3896	Zinc Oxide Neutral	Mercury	Line 2 under Standard solutions: Change "Standard stock mercury solution" to: Standard working mercury solution
First Supplement	to USP32-NF27		-
4104	Trandolapril	Related compounds	Table under <i>Procedure</i> : Change the Relative Response Factor (F) of Trandolapil related compound C 1 "2.2" to: 0.45

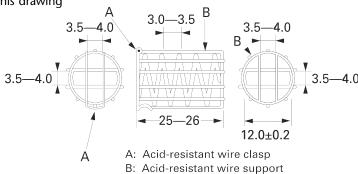
2 Errata

USP32–NF27 Page	Title	Section	Description	
Second Suppleme	ent to USP32–NF27		•	
4175	(1090) Assessment of Drug Product Perfor- mance—Bioavailability, Bioequivalence and Dis- solution	Introduction	Delete the Introductory paragraph.	

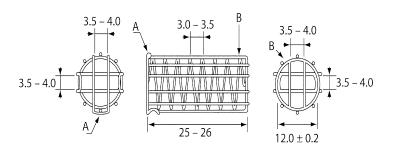
USP33–NF28 Reissue Page	Title	CATEGORY Section	Description
R-76	⟨711⟩ Dissolution	Apparatus	Replace the drawing for <i>Figure 2a</i> as shown at the end of this table.
R-431	Polysorbate 80	IMPURITIES Organic Impurities Procedure: Ethylene Oxide and Dioxane	Line 13 under Analysis: Change " C_D = concentration of dioxane in Sample solution A (μ g/mL)" to: C_D = concentration of dioxane in Sample solution B (μ L/mL)
R-491	Losartan Potassium and Hydrochlorothiazide Tablets	ASSAY Procedure	Under Standard solution, last row last column of table: Change "01" to: 0.1
			Under Sample solution, last row last column of table: Change "01" to: 0.1
R-504	Methylcellulose	IDENTIFICATION E. Procedure	Line 2under Analysis: Change "obtained in Identification test A" to: obtained in Identification test B
R-523	Oxaliplatin for Injection	IMPURITIES Organic Impurities Procedure 3: Limit of Re- lated Compound C and Unspecified Impurities	Line 2 under <i>Relative standard deviation</i> : Change "oxalic acid and oxaliplatin related compound C peaks" to: oxaliplatin and oxaliplatin related compound C peaks
R-532	Pyrantel Pamoate	IMPURITIES Organic Impurities Procedure	Line 13 under <i>Analysis</i> : Change "r _s = peak response for pyrantel related compound A from the <i>Standard solution</i> " to: r _s = peak response for pyrantel related compound A from the <i>System suitability solution</i>
R-547	Tranexamic Acid	IMPURITIES Inorganic Impurities Chloride and Sulfate, Chloride (221)	Line 1: Change "A 0.36-g portion" to: A 0.51-g portion
R-558	Vincristine Sulfate Injec- tion	IMPURITIES Organic Impurities Procedure	Line 6 under Analysis: Change " r_U = peak response for each impurity from Sample stock solution" to: r_U = peak response for each impurity appearing after the solvent
First Constitution			peak from Sample stock solution
R-921	t to USP33–NF28 Reissue Irinotecan Hydrochloride	IMPURITIES Organic Impurities Procedure 1: Limit of Iri- notecan Hydrochloride Enantiomer	Lines 1–4: Change "Mobile phase: Hexane, alcohol, and diethylamine (250:250:1) Diluent: Alcohol and diethylamine (250:1)" to: Mobile phase: Hexane, dehydrated alcohol, and diethylamine (250:250:1) Diluent: Dehydrated alcohol and diethylamine (250:1)
R-982	Telmisartan	IMPURITIES Organic Impurities Procedure	In <i>Impurity Table 1</i> , under column Relative Retention Time: Change row 2 Telmisartan amide ^b "0.67" to: 0.7 In the same table and column: Change row 4 Telmisartan diacid ^d "1.1" to: 0.67
R-994	Valacyclovir Hydrochlo- ride	IMPURITIES Organic Impurities Procedure 1 (for related compounds E, F, and G)	Line 14 under <i>Analysis</i> : Change "The relative response factor values" to: The Relative R _F Values Column 2 in <i>Impurity Table 1</i> : Change column heading "Relative Response Factor" to: Relative R _F Value

USP33-NF28 Reissue Page	Title	CATEGORY Section	Description
R-1378	Acitretin Capsules	IMPURITIES Organic Impurities Procedure: Limit of Deg- radation Products	Line 3: Change subsection head "Diluent, Mobile phase, System suitability solution, Sample solution, and Chromatographic system:" to: Diluent, Mobile phase, System suitability solution, Sample solution, Chromatographic system, and System suitability: Row 3 in Impurity Table 1: Change the Relative Retention Time for 9-cis isomer ^b "0.55" to: 1.09
R-1396	Cefdinir Capsules	IMPURITIES Organic Impurities Procedure	Under Mobile phase, in the gradient table, under column heading Time (min), row 6: Change "28" to: 38

(711) Dissolution. Replace this drawing



with:



A: Acid-resistant wire clasp

B: Acid-resistant wire support

The USP 34–NF 29 Errata posting of December 30, 2010, lists a larger than normal number of Errata. A majority of these Errata result from two types of errors: First, as part of a revision to General Chapter 11 USP Reference Standards in USP 34–NF 29, the comprehensive list of USP Reference Standards specified in USP and NF monographs and general chapters was eliminated and the remaining information was moved into the monographs. It was discovered that not all information was moved correctly. The information is being restored to the proper monograph using the Errata process. The second error type included the omission of several procedural notes that followed the Reference Standard information and preceded the Identification section in the official text. The missing notes are being restored using the Errata process.

<i>USP34–NF29</i> Page	Title	CATEGORY Section	Description
7	General Notices and Requirements	6.40 Dried, Anhydrous, Ig- nited, or Solvent-Free Basis	Line 6: Delete "Determination" from the phrase "provided in a test for Loss on Drying, or Water Determination,"
70	(81) Antibiotics—Micro- bial Assays	Organisms and Inoculum Test Organisms	Row 18 in Table 3: add the value "1" to Staphylococcus aureus (29737) under the column Incubation Conditions, Medium.
535	⟨1054⟩ Biotechnology- Derived Articles—Isoe- lectric Focusing	Introduction	Line 10: Change "Biotechnology-Derived Articles—(1057)." to: Biotechnology-Derived Articles—Total Protein Assay (1057).
1120	Echinacea angustifolia	USP Reference standards 〈11〉	Line 2: Change "USP Powdered Echinacea purpurea Extract RS" to: USP Powdered Echinacea angustifolia Extract RS
1142	Garlic Fluidextract	USP Reference standards 〈11〉	Line 2: Change "USP γ-Glutamyl-(S)-Allyl-L-Cysteine RS" to: USP S-Allyl-L-Cysteine RS

USP34–NF29 Page	Title	CATEGORY Section	Description
1581	Methacrylic Acid Co- polymer Dispersion	ADDITIONAL REQUIRE- MENTS USP Reference Standards 〈11〉	Delete "USP Methacrylic Acid Copolymer, Type B RS"
1647	Propylene Glycol Mono- caprylate	USP Reference standards 〈11〉	Lines 2 and 3: Change "Monolaurate" to: Monocaprylate
1969	Azithromycin for Injec- tion	USP Reference standards 〈11〉	Add: "USP Desosaminylazithromycin RS"
1981	Bacitracin and Polymyx- in B Sulfate Topical Aerosol		Add the following NOTE between <i>USP Reference standards</i> (11) and <i>Thin-layer chromatographic identification test</i> (201BNP): [NOTE—Prepare the specimen for the following tests and assays as follows. Maintain the container in the inverted position throughout this procedure. Store the container in a freezer at -70° for 16 to 24 hours. Remove the container from the freezer, promptly puncture the container, and allow the propellant to volatilize. Open the container, and mix the contents.]
2120	Calcitonin Salmon	USP Reference standards 〈11〉	Line 5: Change "USP Calcitonin Salmon Related Compound B RS" to: USP Calcitonin Salmon Related Compound B RS (calcitonin salmon-glycine)
2217	Cefepime Hydrochloride	USP Reference standards 〈11〉	Add the following under USP Cefepime Hydrochloride System Suitability RS: This is a mixture of cefepime hydrochloride related compound A ($[6R-[6\alpha,7\beta(E)]]-1-[[7-[(2-amino-4-thiazolyl) (methoxyimino)acety-l]amino]-2-carboxy-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-en-3-yl]methyl]-1-methylpyrrolidinium chloride, monohydrochloride, monohydrate; (C19H25ClN6O5S2 · HCl · H2O \Diamond 571.50); cefepime related compound B [6R-trans]-7-[[[2-[(2-amino-4-thiazolyl)(methoxyimino)acetyl]amino]-4-thiazolyl](methoxyimino)acetyl]amino]-3-(1-methylpyrrolidinium-1-yl)methyl]-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid, inner salt; (C25H29N9O7S3 \Diamond 663.75); and cefepime hydrochloride.and Cefepime hydrochloride.$
2219	Cefepime for Injection	USP Reference standards 〈11〉	Add the following under USP Cefepime Hydrochloride System Suitability RS: This is a mixture of cefepime hydrochloride related compound A ($[6R-[6\alpha,7\beta(E)]]-1-[[7-[(2-amino-4-thiazolyl) (methoxyimino)acety-l]amino]-2-carboxy-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-en-3-yl]methyl]-1-methylpyrrolidinium chloride, monohydrochloride, monohydrate; (C19H25ClN6O5S2 · HCl · H2O \Diamond 571.50); cefepime related compound B [6R-trans]-7-[[[2-[(2-amino-4-thiazolyl)(methoxyimino)acetyl]amino]-4-thiazolyl](methoxyimino)acetyl]amino]-3-(1-methylpyrrolidinium-1-yl)methyl]-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid, inner salt; (C25H29N9O7S3 \Diamond 663.75); and cefepime hydrochloride.and Cefepime hydrochloride.$
2315	Chlorpromazine		Add the following NOTE between <i>USP Reference standards</i> (11) and <i>Identification</i> : [NOTE—Throughout the following procedures, protect test or assay specimens, the Reference Standard, and solutions containing them by conducting the procedures without delay, under subdued light, or using low-actinic glassware.]
2315	Chlorpromazine Suppos- itories		Add the following NOTE between <i>USP Reference standards</i> (11) and <i>Identification</i> : [NOTE—Throughout the following procedures, protect test or assay specimens, the Reference Standard, and solutions containing them by conducting the procedures without delay, under subdued light, or using low-actinic glassware.]
2315	Chlorpromazine Hydro- chloride		Add the following NOTE between <i>USP Reference standards</i> (11) and <i>Identification</i> : [NOTE—Throughout the following procedures, protect test or assay specimens, the Reference Standard, and solutions containing them by conducting the procedures without delay, under subdued light, or using low-actinic glassware.]
2316	Chlorpromazine Hydro- chloride Oral Concen- trate		Add the following NOTE between <i>USP Reference standards</i> (11) and <i>Identification</i> : [NOTE—Throughout the following procedures, protect test or assay specimens, the Reference Standard, and solutions containing them by conducting the procedures without delay, under subdued light, or using low-actinic glassware.]

USP34–NF29	Tial -	CATEGORY	Description
<u>Page</u> 2316	Title Chlorpromazine Hydro-	Section	Description Add the following NOTE between USP Reference standards (11) and
2316	chloride Injection		Identification: [NOTE—Throughout the following procedures, protect test or assay specimens, the Reference Standard, and solutions containing them by conducting the procedures without delay, under subdued light, or using low-actinic glassware.]
2317	Chlorpromazine Hydro- chloride Syrup		Add the following NOTE between <i>USP Reference standards</i> (11) and <i>Identification</i> : [NOTE—Throughout the following procedures, protect test or assay specimens, the Reference Standard, and solutions containing them by conducting the procedures without delay, under subdued light, or using low-actinic glassware.]
2317	Chlorpromazine Hydro- chloride Tablets		Add the following NOTE between <i>USP Reference standards</i> (11) and <i>Identification</i> : [NOTE—Throughout the following procedures, protect test or assay specimens, the Reference Standard, and solutions containing them by conducting the procedures without delay, under subdued light, or using low-actinic glassware.]
2399	Clonidine Transdermal System		Add the following NOTE between <i>USP Reference standards</i> (11) and <i>Identification</i> : [NOTE—Throughout the following procedures avoid the use of tetrahydrofuran stabilized with butylated hydroxytoluene (BHT). In the presence of peroxides, BHT may react with clonidine, producing impurity peaks.]
2466	Cytarabine for Injection	USP Reference standards $\langle 11 \rangle$	After line 2, add "USP Endotoxin RS"
2883	Fluphenazine Decanoate		Add the following NOTE between <i>USP Reference standards</i> (11) and <i>Identification</i> : [NOTE—Throughout the following procedures, protect test or assay specimens, the USP Reference Standard, and solutions containing them, by conducting the procedures without delay, under subdued light, or using low-actinic glassware.]
2884	Fluphenazine Decanoate Injection		Add the following NOTE between <i>USP Reference standards</i> (11) and <i>Identification</i> : [NOTE—Throughout the following procedures, protect test or assay specimens, the USP Reference Standard, and solutions containing them, by conducting the procedures without delay, under subdued light, or using low-actinic glassware.]
2890	Flurazepam Hydrochlo- ride	USP Reference standards $\langle 11 \rangle$	Line 1: Change "USP Fluphenazine Enanthate RS" to: USP Flurazepam Hydrochloride RS
2891	Flurazepam Hydrochlo- ride Capsules	USP Reference standards 〈11〉	Line 1: Change "USP Fluphenazine Enanthate RS" to: USP Flurazepam Hydrochloride RS
2930	Gabapentin	USP Reference standards 〈11〉	Add: USP Gabapentin RS
2941	Gadoteridol Injection	USP Reference standards 〈11〉	Line 2: Change "USP Gadoversetamide RS" to: USP Gadoteridol RS
3220	Diluted Isosorbide Mononitrate	USP Reference standards 〈11〉	Line 1: Add beneath USP Isosorbide RS: [NOTE—The following Reference Standards are dry mixtures of an active component and suitable excipients to permit safe handling. For quantitative applications, calculate the concentration of the active component based on the content stated on the label.]
3221	Isosorbide Mononitrate Tablets	USP Reference standards 〈11〉	Line 1: Add beneath <i>USP Isosorbide RS</i> : [NOTE—The following Reference Standards are dry mixtures of an active component and suitable excipients to permit safe handling. For quantitative applications, calculate the concentration of the active component based on the content stated on the label.]
3223	Isosorbide Mononitrate Extended-Release Tab- lets	USP Reference standards 〈11〉	Line 1: Add beneath <i>USP Isosorbide RS</i> : [NOTE—The following Reference Standards are dry mixtures of an active component and suitable excipients to permit safe handling. For quantitative applications, calculate the concentration of the active component based on the content stated on the label.]
3493	Methylphenidate Hydro- chloride Extended-Re- lease Tablets	PERFORMANCE TESTS Dissolution (711)	Row 6, column 2 of table under Test 1: Change "NLT 80" to: NLT 80%

<i>USP34–NF29</i> Page	Title	CATEGORY Section	Description
3658	Nifedipine Capsules	Section	Add the following NOTE between <i>USP Reference standards</i> (11) and <i>Identification</i> : [NOTE—Nifedipine, when exposed to daylight and certain wavelengths of artificial light, readily converts to a nitrosophenylpyridine derivative. Exposure to UV light leads to the formation of a nitrophenylpyridine derivative. Perform assays and tests in the dark or under golden fluorescent or other low-actinic light. Use low-actinic glassware.]
3803	Pancreatin	Assay for lipase activity (Fat digestive power)	Line 1 under <i>Procedure</i> : Change "Mix 10.0 mL of <i>Olive oil substrate</i> , 8.0 mL of '," to: Mix 10.0 mL of <i>Olive oil substrate</i> , 8.0 mL of <i>Buffer solution</i> ,
3879	Perphenazine Injection		Add the following NOTE between <i>USP Reference standards</i> (11) and <i>Identification</i> : NOTE—Throughout the following procedures, protect test or assay specimens, the USP Reference Standard, and solutions containing them, by conducting the procedures without delay, under subdued light, or using low-actinic glassware.
3879	Perphenazine Oral Solu- tion		Add the following NOTE between <i>USP Reference standards</i> (11) and <i>Identification</i> : NOTE—Throughout the following procedures, protect test or assay specimens, the USP Reference Standard, and solutions containing them, by conducting the procedures without delay, under subdued light, or using low-actinic glassware.
3880	Perphenazine Syrup		Add the following NOTE between <i>USP Reference standards</i> (11) and <i>Identification</i> : NOTE—Throughout the following procedures, protect test or assay specimens, the USP Reference Standard, and solutions containing them, by conducting the procedures without delay, under subdued light, or using low-actinic glassware.
3880	Perphenazine Tablets		Add the following NOTE between <i>USP Reference standards</i> (11) and <i>Identification</i> : NOTE—Throughout the following procedures, protect test or assay specimens, the USP Reference Standard, and solutions containing them, by conducting the procedures without delay, under subdued light, or using low-actinic glassware.
3881	Perphenazine and Ami- triptyline Hydrochloride Tablets		Add the following NOTE between <i>USP Reference standards</i> (11) and <i>Identification</i> : NOTE—Throughout the following procedures, protect test or assay specimens, the USP Reference Standard, and solutions containing them, by conducting the procedures without delay, under subdued light, or using low-actinic glassware.
4041	Propafenone Hydrochlo- ride	IMPURITIES Organic Impurities: Proce- dure	Impurity Table 1: Change row 7 "Any individual, unpsecified impurity" to: Individual unspecified impurities
4117	Ramipril Capsules	ASSAY Procedure	Line 6 under Chromatographic system: Change "Column temperature: 60°" to: Temperature: 60°
4419	Thioridazine Oral Sus- pension		Change the following NOTE between <i>USP Reference standards</i> (11) and <i>Identification</i> : "[NOTE—Conduct this test without exposure to daylight, and with a minimum of exposure to artificial light.]" to: [NOTE—Throughout the following procedures, protect test or assay specimens, the USP Reference Standard, and solutions containing them, by conducting the procedures without delay, under subdued light, or using low-actinic glassware.]
4430	Tiagabine Hydrochloride Oral Suspension	ASSAY Procedure	Line 6 under <i>Chromatographic system</i> : Change "Column: 3.0-mm × 15-cm; packing L10" to: Column: 3.0-mm × 15-cm; 5-µm packing L10
4585	Vincristine Sulfate	USP Reference standards 〈11〉	Line 3: Change "is needed for USP Vincristine Sulfate RS.]" to: is needed for USP Vinblastine Sulfate RS.]

USP34–NF29 Page	Title	CATEGORY Section	Description
4587	Vincristine Sulfate for Injection	ADDITIONAL REQUIRE- MENTS USP Reference standards (11)	Line 3: Change "USP Vinblastine Sulfate RS USP Vincristine Sulfate RS [NOTE—No Loss on drying determination is needed for USP Vincristine Sulfate RS.]" to: USP Vinblastine Sulfate RS [NOTE—No Loss on drying determination is needed for USP Vinblastine Sulfate RS.] USP Vincristine Sulfate RS
4597	Sterile Water for Inhala- tion	SPECIFIC TESTS Water Conductivity, Pack- aged Water (645)	Change the heading from: "Water Conductivity, Packaged Water (645)" to: Water Conductivity, Sterile Water (645)
4598	Sterile Water for Injec- tion	SPECIFIC TESTS Water Conductivity, Pack- aged Water (645)	Change the heading from: "Water Conductivity, Packaged Water (645)" to: Water Conductivity, Sterile Water (645)
4598	Sterile Water for Irriga- tion	SPECIFIC TESTS Water Conductivity, Pack- aged Water (645)	Change the heading from: "Water Conductivity, Packaged Water (645)" to: Water Conductivity, Sterile Water (645)
4599	Sterile Purified Water	SPECIFIC TESTS Water Conductivity, Pack- aged Water (645)	Change the heading from: "Water Conductivity, Packaged Water (645)" to: Water Conductivity, Sterile Water (645)