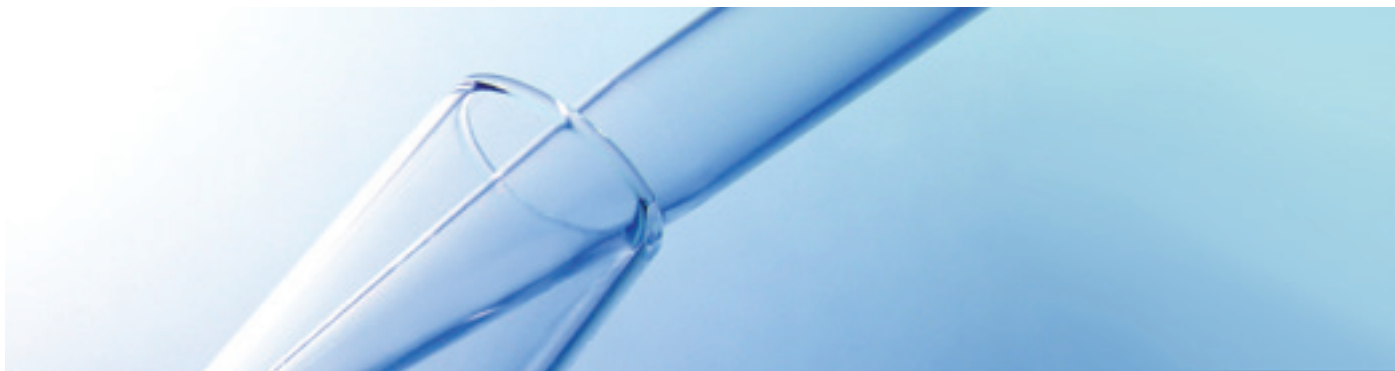


PHARMACEUTICAL SECONDARY STANDARDS



SIGMA | **ALDRICH**[®] | **SUPELCO**[®] | **SAFC**[®]

SIGMA-ALDRICH[®]



Sigma-Aldrich® pharmaceutical secondary standards provide pharmaceutical laboratories and manufacturers with a convenient and cost effective alternative to making in-house working standards.

The US Food and Drug Administration (FDA), United States Pharmacopeia (USP) and European Pharmacopoeia (EP) all recognize the use of secondary standards or working standards which are established with reference to the corresponding primary standard (references available on request). Using these commercially available secondary standards allows customers to focus resources on core business activities, rather than consuming time and resources preparing internal working standards. In addition, the Sigma-Aldrich secondary standards provide larger quantities at less expense.

The most important product features are:

- Traceability to United States Pharmacopeia (USP) and (if available) also to European Pharmacopoeia (EP) and British Pharmacopoeia (BP) standards
- Analysis performed on instruments validated according to GMP using pharmacopeia monograph methods
- Certified purity value according to ISO Guide 34 and ISO/IEC 17025 using mass balance approach
- Comprehensive certificate according to ISO Guide 31

The secondary standards offered by Sigma-Aldrich are certified reference materials (CRMs) produced in an ISO/IEC 17025 and ISO Guide 34 accredited facility. Their comprehensive certificates supply values for the shipped material demonstrating traceability to USP, EP and BP primary standards (the latter two occurring when a corresponding primary CRS (certified reference substance) is available).

In addition, an independent certified purity value is given. This allows the secondary standards to be used as reference materials for quantitative uses.

Comprehensive Certificate

The certificate of the Sigma-Aldrich pharmaceutical secondary standards consists of up to 8 pages containing traceability assay results, certified purity as well as information about analytical methods, chromatograms and additional analytical data. Example certificates are available for free download on the web (sigma-aldrich.com/pharmastandards). An example how the pharmacopeia traceable values are reported in the certificate is shown in **Figure 1** on page 3.

The values on the certificate are always traceable to the current Pharmacopeial lots. If a valid Pharmacopeial lot changes, then the corresponding Sigma-Aldrich Pharmaceutical Secondary Standard will be recertified with traceability to the new lot and a new certificate will be made available online. For this reason, the valid certificate always needs to be downloaded from the website prior to use of the material.

Please note the following: The Reference Standards of the Pharmacopeial authorities are for the specified use described in the monograph. The use of the standard beyond that limited scope is not supported by the Pharmacopeia. Other data supplied in the certificate of the Sigma-Aldrich secondary standards is for informational purposes only and does not support Pharmacopeial use beyond that stated in the corresponding monograph.

The comprehensive certificate contains the following data and information:

- Handling and storage instructions
- Traceability results versus Pharmacopeial primary standards (see the certificate excerpt shown on the next page)
- Certified purity value by mass balance (according to ISO/IEC 17025)
- Comprehensive analytical data

Traceability Assay Results

Comparative assay demonstrates direct traceability to Pharmacopeial Standards

Specification: 97.0–103.0% (anhydrous, USP/NF) **1**
98.5–101.0% (dried substance, EP)

Determination Method: HPLC (ref., USP32: Ibuprofen)

Column: ProteCol-GP C18 125, 4.6 × 250 mm **2**
Mobile Phase: Acetonitrile/Water/Chloroacetic acid (600:400:4)
Column Temperature: 30° C
Flow Rate: 2 mL/min
Injection: 5 µL **3**
Detector Wavelength: 254 nm

Assay vs. USP Reference Standard (as is basis)

Assay Value vs. **USP LOT** **4**
99.5% KOJ008
5 Labeled Content = 0.999 mg/mg

- 1** Analytical specification
- 2** Reference to Pharmacopeial monograph (if available) used for the certification
- 3** Analytical conditions of the method used
- 4** Reference to the Pharmacopeial lot of the primary standard
- 5** Assay value (traceable to the given Pharmacopeial lot)

Figure 1: Certificate excerpt of traceability assay results (vs the USP reference standard) for Ibuprofen (PHR1004).

The following list contains our catalog of over 700 products and shows the Pharmacopeial CRS to which they are traceable. The portfolio of the Sigma-Aldrich pharmaceutical secondary standards is continually growing.

Please visit our website at sigma-aldrich.com/pharmastandards for an up-to-date product listing.

Please also have a look at our offering of pharmaceutical impurity standards sigma-aldrich.com/pharmaimpurities and pharmaceutical proficiency testing materials sigma-aldrich.com/ptpharma

Cat. No.	Description	Package Size	Traceable to		
			USP No.	EP No.	BP No.
PHR1651	(2-[2-fluoro-4-(1H-1,2,4-triazol-1-yl)phenyl]-1,3-bis(1H-1,2,4-triazol-1-yl)propan-2-ol) (Fluconazole RCA)	30 mg	1271711	Y0000573	—
PHR1688	(3-(4-chlorophenyl)-N-methyl-3-(pyridin-2-yl)propan-1-amine maleate) (Chlorpheniramine Related Compound C)	50 mg	—	—	—
PHR1650	(4-Methoxy-2-[[[(5-methoxy-1H-benzimidazol-2-yl)sulfonyl]methyl]-3,5-dimethylpyridine 1-oxide]) (Omeprazole Related Compound I)	30 mg	1478561	—	—
PHR1649	(4-Methoxy-2-[[[(RS)-(5-methoxy-1H-benzimidazol-2-yl)sulfinyl]methyl]-3,5-dimethylpyridine 1-oxide]) (Omeprazole Related Compound E)	30 mg	1478527	—	—
PHR1676	1-(4-(5-Cyclohexyl-1H-tetrazol-1-yl)butyl)-6-(4-(1-cyclohexyl-1H-tetrazol-5-yl)butoxy)-3,4-dihydroquinolin-2(1H)-one (Cilostazol RCC)	100 mg	1134186	—	—
PHR1028	1,4-Benzoquinone	1 g	1056504	—	—
PHR1549	1,4-Dioxane	3 × 1.2 mL	1601521	—	—
PHR1209	1-Butanol	1.2 mL × 3	1081807	—	—
PHR1505	1-Methylbiguanide hydrochloride (Metformin Related Compound B)	50 mg	1396331	—	—
PHR1217	1-Pentanol	1.2 mL × 3	1504955	—	—
PHR1208	1-Propanol	1.2 mL × 3	1570406	—	—
PHR1740	1-Vinyl-2-pyrrolidinone	200 mg	—	—	—
PHR1710	(RS)-2-[2-[4-[(4-chlorophenyl)phenylmethyl]piperazin-1-yl]ethoxy]acetic acid ethyl ester dihydrochloride (Cetirizine hydrochloride Related Compound A)	40 mg	—	—	—
PHR1773	2-[[[5-[(Dimethylamino)methyl]furan-2-yl)methyl]sulfonyl]ethanamine hemifumarate salt (Ranitidine Related Compound A)	100 mg	1598507	—	—
PHR1543	2-(2-methoxyphenoxy)-1,3-propanediol (Guaifenesin Imp B)	50 mg	—	—	—
PHR1674	2-(Diethylamino)-N-(2,4-dimethylphenyl)acetamide Hydrochloride (Lidocaine Related Compound I)	100 mg	—	—	—
PHR1675	2-(Diethylamino)-N-(2,5-dimethylphenyl)acetamide Hydrochloride (Lidocaine Related Compound J)	100 mg	—	—	—
PHR1670	2-(diethylaziridinyl)-n-(2,6-dimethylphenyl)acetamide (Lidocaine Related Compound B)	100 mg	—	—	—
PHR1672	2,2'-(Azanediylo)bis[N-(2,6-dimethylphenyl)acetamide] (Lidocaine Related Compound E)	100 mg	—	—	—
PHR1739	2-Aminophenol (Mesalazine Impurity C)	200 mg	—	Y0001569	—
PHR1647	2,2'-Dipyridylamine (Chlorpheniramine Related Compound B)	200 mg	—	—	—
PHR1574	2,2-Diphenylglycine (Phenytoin Related Compound A)	100 mg	1535019	—	—
PHR1368	2,3-Dichlorobenzoic acid (Lamotrigine Related Compound B)	100 mg	1356778	Y0001032	—
PHR1669	2,6-Dimethylaniline (Lidocaine Related Compound A)	100 mg	—	—	—

Cat. No.	Description	Package Size	Traceable to		
			USP No.	EP No.	BP No.
PHR1671	2',6'-Dimethylacetanilide (Lidocaine Related Compound C)	100 mg	—	—	—
PHR1531	2-Acetamidophenol (Acetaminophen Related Compound C)	200 mg	1003031	—	—
PHR1507	2-Amino-5-Chlorobenzophenone	200 mg	1022808	—	—
PHR1563	2-Butanol	3x1.2 mL	1081829	—	—
PHR1741	2-Chloro-5-nitrobenzoic Acid	200 mg	—	—	—
PHR1183	2-Chlorobenzophenone(Clotrimazole Imp E)	500 mg	—	Y0000279	—
PHR1550	2-Ethoxyethanol	3x1.2 mL	1601543	—	—
PHR1544	2-Methoxyethanol	3x1.2 mL	1601645	—	—
PHR1195	2-Methyl-5-nitroimidazole; Tinidazole Related Compound A	500 mg	1667530	Y0000087	—
PHR1181	2-Methylimidazole (Ondansetron Imp F)	500 mg	—	Y0001320	—
PHR1223	2-Methylpyrazine	500 mg	—	Y0001376	—
PHR1301	2-Phenylbenzimidazole-5-sulfonic acid (Ensulizole)	1 g	1530809	—	—
PHR1072	2-Propanol	3x1.2 mL	1570428	—	—
PHR1752	2-(tert-butylamino)-4'-chloropropiophenone hydrochloride (Bupropion Hydrochloride Related Compound A)	30 mg	1078744	—	—
PHR1753	2-(tert-butylamino)-3'-bromopropiophenone hydrochloride (Bupropion Hydrochloride Related Compound B)	30 mg	1078755	—	—
PHR1303	3,4,4' Trichlorocarbanilide (Triclocarban)	500 mg	—	—	—
PHR1743	3-Aminobenzoic acid	200 mg	—	—	—
PHR1744	3-Chlorobenzoic acid	200 mg	1112299	—	—
PHR1194	3,4-Dimethoxybenzaldehyde (Verapamil Related Compound E)	500 mg	1711439	—	—
PHR1193	3,4-Dimethoxybenzyl alcohol (Verapamil Related Compound F)	500 mg	1711440	—	—
PHR1339	3-Amino-1-propanol	500 mg	1570450	—	—
PHR1354	3-Iodo-2-propynyl N-butylcarbamate	500 mg	—	—	—
PHR1306	3-tert-Butyl-4-hydroxyanisole	1 g	1083100	—	—
PHR1568	4-(Trifluoromethyl)aniline (Leflunomide Related Compound A)	200 mg	1357045	Y0000487	—
PHR1322	4,4-Pentamethylene-2-pyrrolidinone (Gabapentin Related Compound A)	100 mg	1287325	Y0001281	—
PHR1707	4-[3-(4-methylphenyl)-5-(trifluoromethyl)-1H-pyrazol-1-yl]benzenesulfonamide (Celecoxib Related Compound B)	20 mg	1098526	—	—
PHR1706	4-[5-(3-methylphenyl)-3-(trifluoromethyl)-1H-pyrazol-1-yl]benzenesulfonamide (Celecoxib Related Compound A)	20 mg	1098515	—	—
PHR1612	4'-Acetoxyacetanilide (Acetaminophen Related Compound A)	50 mg	1003010	—	—
PHR1192	4-Amino-6-chloro-1,3-benzenedisulfonamide; Benzothiadiazine Related Compound A	500 mg	1057507	—	—
PHR1747	4'-Aminoacetophenone	200 mg	—	—	—
PHR1746	4-Aminosalicylic acid	500 mg	1026401	—	—
PHR1148	4-Aminophenol (Acetaminophen Related Compound K)	1 g	1021204	—	—
PHR1149	4-Chloroacetanilide(Acetaminophen Related Compound J)	1 g	1003100	—	—
PHR1691	4-Epianhydrotetracycline Hydrochloride	100 mg	1236506	E0400000	—
PHR1048	4-Hydroxybenzoic Acid	1 g	1609013	—	—
PHR1643	4-Hydroxyisophthalic acid (Salicylic Acid Related Compound B)	200 mg	1609024	Y0000405	—
PHR1146	4-Isobutyl Acetophenone(Ibuprofen Related Compound C)	500 mg	1335541	—	—
PHR1150	4-Nitrophenol (Acetaminophen Related Compound F)	1 g	1003064	—	—
PHR1356	5-Chloro-2-Methyl-4-isothiazolin-3-one	1 mL	—	—	—
PHR1653	6-[4-(1-Cyclohexyl-1H-tetrazol-5-yl)-butoxy]-1H-quinolin-2-one (Cilostazol RCB)	100 mg	1134175	—	—
PHR1693	6-methyl-1,3-dihydrofuro[3,4-c]pyridin-7-ol (Pyridoxine Impurity A)	50 mg	—	Y0001226	—
PHR1256	Abacavir Sulfate	500 mg	1000408	—	—
PHR1253	Acarbose	500 mg	—	Y0000500	—
PHR1266	Acesulfame Potassium	500 mg	1002505	A0070000	—
PHR1005	Acetaminophen (Paracetamol)	1 g	1003009	P030000	371
PHR1612	4'-Acetoxyacetanilide (Acetaminophen Related Compound A)	50 mg	1003010	—	—
PHR1642	N-(4-Hydroxyphenyl)Propanamide (Acetaminophen Related Compound B)	50 mg	1003027	—	—
PHR1531	2-Acetamidophenol (Acetaminophen Related Compound C)	200 mg	1003031	—	—
PHR1530	Acetanilide (Acetaminophen Related Compound D)	200 mg	1003042	—	—
PHR1150	4-Nitrophenol (Acetaminophen Related Compound F)	1 g	1003064	—	—
PHR1149	4-Chloroacetanilide(Acetaminophen Related Compound J)	1 g	1003100	—	—
PHR1148	4-Aminophenol (Acetaminophen Related Compound K)	1 g	1021204	—	—
PHR1086	Acetanilide Melting Point Standard	1 g	1004001	—	—
PHR1530	Acetanilide (Acetaminophen Related Compound D)	200 mg	1003042	—	—
PHR1219	Acetone	1.5 mLx3	1006801	—	—
PHR1551	Acetonitrile	3x1.2 mL	1601340	—	—
PHR1156	Acetyltributyl Citrate	1 g	1009901	Y0001055	—
PHR1157	Acetyltriethyl Citrate	1 g	1009923	—	—

Cat. No.	Description	Package Size	Traceable to		
			USP No.	EP No.	BP No.
PHR1523	Acitretin	1 g	1011007	A0225000	—
PHR1254	Acyclovir	1 g	1012065	A0220000	—
PHR1388	Adapalene	500 mg	1011709	Y0001121	—
PHR1383	Adenine	1 g	1012101	A0230000	—
PHR1138	Adenosine	1 g	1012123	A0230200	—
PHR1281	Albendazole	1 g	1012553	A0325100	763
PHR1053	Albuterol Sulfate	1 g	1012633	S0150000	302
PHR1373	Alcohol	5×1.2 mL	1012768	E1860100	—
PHR1599	Alendronate Sodium	1 g	1012780	Y0001727	—
PHR1638	Alfuzosin Hydrochloride	1 g	1012917	A0325800	—
PHR1364	Allantoin	500 mg	1012939	A0349000	—
PHR1377	Allopurinol	1 g	1013002	A0350000	870
PHR1692	alpha-((aminocarbonyl)amino)-alpha-phenyl benzeneacetic acid (Phenytoin RCB)	100 mg	—	—	—
PHR1031	alpha-Tocopherol	500 mg	1667600	T1550000	882
PHR1030	alpha-Tocopheryl Acetate	500 mg	1667701	T1600000	—
PHR1029	alpha-Tocopheryl Acid Succinate	500 mg	1667803	T1610000	—
PHR1654	Amikacin	1 g	1019508	A0368000	—
PHR1501	Aminobutanol	1 g	1020008	—	—
PHR1224	Aminocaproic Acid	1 g	1021000	A0420000	—
PHR1164	Amiodarone Hydrochloride	1 g	1027302	A0575000	532
PHR1384	Amitriptyline HCl	1 g	1029002	Y0000563	16
PHR1185	Amlodipine Besylate	1 g	1029501	Y0000049	—
PHR1327	Ammonium Chloride	1 g	1029953	—	—
PHR1689	Ammonium Glycyrrhizate	200 mg	1029929	G0460000	—
PHR1127	Amoxicillin Trihydrate	1 g	1031503	A0800000	19
PHR1662	Amphotericin B	500 mg	1032007	Y0000005	—
PHR1424	Ampicillin Sodium	1 g	1033203	A1000000	785
PHR1393	Ampicillin Trihydrate	1 g	1033407	A1100000	21
PHR1386	Amylmetacresol	1 g	—	Y0001244	—
PHR1218	Anethole	2.2 mL	1035005	—	—
PHR1212	Anisole	3×1.2 mL	1037011	—	—
PHR1677	Anthralin (Dithranol)	1 g	1039006	D2953000	—
PHR1454	Arginine Hydrochloride	1 g	1042601	A1271000	694
PHR1008	Ascorbic Acid	2 g	1043003	A1300000	461
PHR1708	D-sorbosonic acid (Ascorbic acid Imp C)	30 mg	—	Y0001024	—
PHR1709	Methyl-D-Sorbosonate (Ascorbic Acid Imp D)	30 mg	—	Y0001170	—
PHR1433	Ascorbyl Glucoside	1 g	—	—	—
PHR1455	Ascorbyl Palmitate	2 g	1043105	Y0000800	—
PHR1381	Aspartame	1 g	1043706	A1320000	—
PHR1003	Aspirin (Acetylsalicylic acid)	1 g	1044006	A0200000	617
PHR1679	Atomoxetine Hydrochloride	500mg	—	—	—
PHR1422	Atorvastatin Calcium	1 g	1044516	Y0001327	—
PHR1591	Atovaquone	500 mg	1044651	Y0001572	—
PHR1379	Atropine Sulfate	1 g	1045009	A1400000	23
PHR1073	Avobenzone	1 g	1045337	—	—
PHR1282	Azathioprine	1 g	1046001	A1500000	—
PHR1636	Azelastine Hydrochloride	1 g	1046158	Y0000326	—
PHR1088	Azithromycin	1 g	1046056	Y0000306	—
PHR1590	Bacitracin	1 g	1047503	—	—
PHR1559	Bacitracin Zinc	1 g	1048007	B0100000	—
PHR1682	Baclofen	1 g	—	—	—
PHR1619	Beclomethasone Dipropionate	1 g	1048506	B0305000	30
PHR1203	Benzaldehyde	1 mL × 3	1050905	—	—
PHR1371	Benzalkonium Chloride 10% Solution	5 mL	1051001	—	—
PHR1681	Benzalkonium Chloride 50% Solution	—	1051001	—	—
PHR1310	Benzene	1 g	1601146	—	—
PHR1425	Benzethonium Chloride	1 g	1051500	B0550000	—
PHR1158	Benzocaine	1 g	1054000	B0600000	—
PHR1050	Benzoic Acid	1 g	1055002	—	—
PHR1204	Benzophenone	1 g	—	Y0000647	—
PHR1712	Benzylphenylephrine (Phenylephrine RCE)	50 mg	1533046	—	—

Cat. No.	Description	Package Size	Traceable to		
			USP No.	EP No.	BP No.
PHR1019	Benzyl Alcohol	1 g	1061901	Y0000167	—
PHR1213	Benzyl Benzoate	5 g	1062008	—	—
PHR1370	Benzyl Nicotinate	1 mL	—	—	—
PHR1502	Berberine Chloride	500 mg	1065210	Y0001149	—
PHR1349	Beta Alanine	1 g	1012495	—	—
PHR1239	Beta Carotene	1 g	1065480	—	—
PHR1439	Beta-Cyclodextrin	1 g	1154569	—	—
PHR1398	Betamethasone	1 g	1066009	B1000000	575
PHR1399	Betamethasone Dipropionate	1 g	1067704	B1040000	—
PHR1678	Bicalutamide	1 g	1071202	Y0001444	1115
PHR1296	Bifonazole	1 g	—	B1110000	—
PHR1233	Biotin	1 g	1071508	B1116000	—
PHR1456	Bis-2-(ethylhexyl)maleate	2x1 g	1075203	—	—
PHR1178	Budesonide	500 mg	1078201	—	—
PHR1128	Bupivacaine Hydrochloride	1 g	1078507	B1160000	479
PHR1729	Buprenorphine Hydrochloride	50 mg	1078700	Y0001109	—
PHR1730	Bupropion Hydrochloride	1 g	1078733	—	—
PHR1752	2-(tert-butylamino)-4'-chloropropiophenone hydrochloride (Bupropion Hydrochloride Related Compound A)	30 mg	1078744	—	—
PHR1753	2-(tert-butylamino)-3'-bromopropiophenone hydrochloride (Bupropion Hydrochloride Related Compound B)	30 mg	1078755	—	—
PHR1621	Butoconazole Nitrate	1 g	1082300	—	—
PHR1211	Butyl Acetate	3x1.2 mL	1082606	—	—
PHR1304	Butylated Hydroxyanisole	1 g	—	B1212000	—
PHR1117	Butylated Hydroxytoluene	1 g	1082708	B1215000	—
PHR1022	Butylparaben (Butyl parahydroxybenzoate)	1 g	1084000	B1217000	—
PHR1009	Caffeine	1 g	1085003	C0100000	766
PHR1095	Caffeine Melting Point Standard	1 g	1086006	—	—
PHR1095	Caffeine Melting Point Standard	1 g	1086006	—	—
PHR1362	Calcium Acetate	5 g	1086334	—	—
PHR1361	Calcium Ascorbate	500 mg	1086356	—	—
PHR1326	Calcium Carbonate	5 g	1086403	—	—
PHR1457	Calcium lactobionate	1 g	1086902	—	—
PHR1232	Calcium-D-Pantothenate	500 mg	1087009	C0400000	—
PHR1405	Capecitabine	1 g	1090706	Y0001642	—
PHR1202	Caprylic Acid (Octanoic Acid)	1 g	1091040	C0426000	—
PHR1450	Capsaicin	1 g	1091108	Y0000671	—
PHR1307	Captopril	1 g	1091200	C0430000	538
PHR1511	Carbachol	500 mg	—	—	—
PHR1067	Carbamazepine	1 g	1093001	C0450000	—
PHR1197	Iminostilbene (Carbamazepine Related Compound B)	500 mg	1093023	—	—
PHR1564	Carbazole (Carprofen Related Compound A)	200 mg	1096702	—	—
PHR1655	Carbidopa	1 g	1095506	C0460000	60
PHR1684	Carbimazole	1 g	—	C0465000	—
PHR1452	Carprofen	1 g	1096699	Y0000846	—
PHR1564	Carbazole (Carprofen Related Compound A)	200 mg	1096702	—	—
PHR1265	Carvedilol	1 g	1096622	Y0001427	—
PHR1283	Cefaclor	1 g	1096906	C0630000	—
PHR1521	Ceftiofur Sodium	1 g	1098082	—	—
PHR1382	Ceftriaxone Sodium	1 g	1098184	C0691000	976
PHR1683	Celecoxib	1 g	1098504	Y0001445	—
PHR1706	4-[5-(3-methylphenyl)-3-(trifluoromethyl)-1H-pyrazol-1-yl]benzenesulfonamide (Celecoxib Related Compound A)	20 mg	1098515	—	—
PHR1707	4-[3-(4-methylphenyl)-5-(trifluoromethyl)-1H-pyrazol-1-yl]benzenesulfonamide (Celecoxib Related Compound B)	20 mg	1098526	—	—
PHR1656	Cetirizine Hydrochloride	1 g	1102929	C0980650	837
PHR1710	(RS)-2-[2-[4-[(4-chlorophenyl)phenylmethyl]piperazin-1-yl]ethoxy]acetic acid ethyl ester dihydrochloride (Cetirizine hydrochloride Related Compound A)	40 mg	—	—	—
PHR1133	Cetyl Alcohol	1 g	1103003	C0990000	—
PHR1166	Cetyl Palmitate	1 g	1103105	Y0000074	—
PHR1226	Cetylpyridinium Cl	1 g	1104006	C1000000	—
PHR1412	Chloramphenicol	1 g	1107004	C1200000	854

Cat. No.	Description	Package Size	Traceable to		
			USP No.	EP No.	BP No.
PHR1421	Chlorhexidine	1 g	1111001	C1510000	—
PHR1200	p-Chloroaniline(Chlorhexidine Imp P)	1 g	1111908	—	—
PHR1222	Chlorhexidine Acetate	500 mg	1111103	C1520000	68
PHR1294	Chlorhexidine digluconate	1 g	—	—	—
PHR1459	Chlorhexidine Hydrochloride	500 mg	1111103	C1540000	—
PHR1665	Chlorobenzene	3x1.2 mL	1601361	—	—
PHR1545	Chlorobutanol	1 g	1112503	—	—
PHR1552	Chloroform	3x1.2 mL	1601383	—	—
PHR1258	Chloroquine Phosphate	1 g	1118000	—	—
PHR1179	Chlorothiazide	500 mg	1121005	C1700000	—
PHR1478	Chloroxylenol	500 mg	1122700	—	—
PHR1016	Chlorpheniramine Maleate	500 mg	1123000	C1800000	81
PHR1647	2,2'-Dipyridylamine (Chlorpheniramine Related Compound B)	200 mg	—	—	—
PHR1688	(3-(4-chlorophenyl)-N-methyl-3-(pyridin-2-yl)propan-1-amine maleate) (Chlorpheniramine Related Compound C)	50 mg	—	—	—
PHR1284	Chlorpropamide	1 g	1126009	C1905000	—
PHR1520	Chlortetracycline Hydrochloride	500 mg	1129007	C2000000	783
PHR1237	Cholecalciferol (Vitamin D3)	500 mg	1131009	C2100000	787
PHR1533	Cholesterol	500 mg	1131960	C2155000	—
PHR1460	Choline bitartrate	500 mg	1133536	—	—
PHR1251	Choline Chloride	500 mg	1133547	—	—
PHR1503	Cilostazol	1 g	1134153	—	—
PHR1653	6-[4-(1-Cyclohexyl-1H-tetrazol-5-yl)-butoxy]-1H-quinolin-2-one (Cilostazol RCB)	100 mg	1134175	—	—
PHR1676	1-(4-(5-Cyclohexyl-1H-tetrazol-1-yl)butyl)-6-(4-(1-cyclohexyl-1H-tetrazol-5-yl)butoxy)-3,4-dihydroquinolin-2(1H)-one (Cilostazol RCC)	100 mg	1134186	—	—
PHR1075	Cimetidine	1 g	1134062	C2175000	475
PHR1089	Cimetidine Hydrochloride	1 g	1134073	C2175500	—
PHR1167	Ciprofloxacin	1 g	1134313	C2190000	—
PHR1174	Fluoroquinolonic Acid(Ciprofloxacin Imp A)	500 mg	1278302	C2190050	—
PHR1044	Ciprofloxacin Hydrochloride	1 g	1134335	Y0000198	—
PHR1624	Cisplatin	200 mg	1134357	C2210000	—
PHR1640	Citalopram Hydrobromide	1 g	1134233	Y0001008	—
PHR1071	Citric Acid	1 g	1134368	A1202000	—
PHR1038	Clarithromycin	500 mg	1134379	Y0000320	833
PHR1159	Clindamycin Hydrochloride	1 g	1136002	C2269000	—
PHR1021	Clindamycin Phosphate	1 g	1138008	C2250000	—
PHR1431	Clopidogrel Bisulfate	1 g	1140430	Y0001333	—
PHR1058	Clotrimazole	1 g	1141002	C2430000	379
PHR1183	2-Chlorobenzophenone(Clotrimazole Imp E)	500 mg	—	Y0000279	—
PHR1597	CMIT/MIT	1 mL	—	—	—
PHR1737	Colistimethate Sodium	500 mg	1147009	C2600000	—
PHR1605	Colistin Sulfate	1 g	1148001	Y0000277 & C2700000	—
PHR1477	Copper Sulfate	1 g	—	—	—
PHR1462	Creatinine	1 g	1150353	—	—
PHR1210	Cumene	1.2 mL x 3	1151709	—	—
PHR1234	Cyanocobalamin (Vitamin B12)	1 g	1152009	C3000000	466
PHR1331	Cyanoguanidine (Metformin Related Compound A)	500 mg	1396310	—	—
PHR1404	Cyclophosphamide	1 g	1157002	C3250000	—
PHR1092	Cyclosporine	500 mg	1158504	C2163000	—
PHR1787	Cytarabine	500 mg	1162002	C3350000	383
PHR1350	Cytosine	500 mg	1162148	—	—
PHR1206	D-(+)-Galactose	500 mg	1287700	G0050000	—
PHR1199	D-(+)-Glucosamine HCl	500 mg	1294207	Y0001406	—
PHR1708	D-sorbosonic acid (Ascorbic acid Imp C)	30 mg	—	Y0001024	—
PHR1565	D4 Cyclomethicone	500 mg	1154707	—	—
PHR1566	D5 Cyclomethicone	500 mg	1154809	—	—
PHR1464	Dapsone	1 g	1164008	D0100000	102
PHR1119	D-Camphor	1 g	1087508	C0405000	—
PHR1070	Dehydrated Alcohol	5 x 1.2 mL	1012772	—	—
PHR1582	Dehydroacetic Acid	1 g	1166309	—	—
PHR1300	Dequalinium chloride	500 mg	—	D0430000	—

Cat. No.	Description	Package Size	Traceable to		
			USP No.	EP No.	BP No.
PHR1723	Desipramine Hydrochloride	400 mg	1172006	D0500000	931
PHR1680	Desloratidine	1 g	—	—	—
PHR1526	Dexamethasone	1 g	1176007	D0700000	578
PHR1527	Dexamethasone Acetate	1 g	1176506	D0710000	—
PHR1768	Dexamethasone Sodium Phosphate	1 g	1177032	D0720000	108
PHR1228	Dexpanthenol	500 mg	1179504	D0730000	—
PHR1018	Dextromethorphan Hydrobromide	500 mg	1181007	D0740000	—
PHR1000	Dextrose (D-Glucose)	1 g	1181302	G0350500	—
PHR1652	Diallyl Acetic Acid (Valproic Acid Related Compound A)	0.5 mL	1708729	—	—
PHR1366	Dibutyl Phthalate	1 g	1187080	D1010000	—
PHR1216	Dibutyl Sebacate	1.2 mL x 3	1187091	—	—
PHR1144	Diclofenac Sodium	1 g	1188800	S0765000	619
PHR1220	Diethanolamine	3.2 mL	1192808	—	—
PHR1666	Diethyl Ether	3x1.2 mL	—	—	—
PHR1476	Diethyl Phthalate	1 g	1193505	D1410000	—
PHR1045	Diethylene Glycol	1 g	1193265	—	—
PHR1430	Dihydroxyacetone	1 g	1204102	—	—
PHR1517	Dihydrostreptomycin Sulfate	500 mg	1203008	D1954000	—
PHR1658	Dimenhydrinate	1 g	1206006	D2000000	—
PHR1309	Dimethyl Sulfoxide	3 g	1211006	D2050000	—
PHR1532	Dimethylamine Hydrochloride (Metformin Related Compound F)	200 mg	—	Y0001600	—
PHR1553	Dimethylformamide	3x1.2 mL	1601500	—	—
PHR1015	Diphenhydramine Hydrochloride	1 g	1218005	D2000000	896
PHR1514	Disodium Guanylate	1 g	1221000	—	—
PHR1475	Disodium Inosinate	1 g	1222002	—	—
PHR1690	Disulfiram	1 g	1224008	D2950000	132
PHR1358	DMDM Hydantoin	1 mL	—	—	—
PHR1584	Donepezil Hydrochloride	1 g	1224981	—	—
PHR1090	Dopamine Hydrochloride	1 g	1225204	D2690000	468
PHR1145	Doxycycline Hyclate	1 g	1226003	D3000000	780
PHR1420	Doxylamine Succinate	1 g	1227006	Y0001562	—
PHR1510	Edetate Calcium Disodium	1 g	1232006	S0700000	—
PHR1068	Edetate Disodium	1 g	1233009	D2900000	—
PHR1277	Nitrilotriacetic acid (Edetate Disodium Imp A)	500 mg	1463950	—	—
PHR1289	Enalapril Maleate	1 g	1235300	E0109000	—
PHR1513	Enrofloxacin	500 mg	1235900	Y0001259	—
PHR1333	Epigallocatechin gallate	1 g	1236700	—	—
PHR1509	Epinephrine Bitartrate	500 mg	1237000	A0300000	3
PHR1238	Ergocalciferol (Vitamin D2)	500 mg	1239005	E0900000	788
PHR1512	Ergosterol	200 mg	1241007	E1100000	—
PHR1479	Erythritol	1 g	1241903	Y0000477	—
PHR1039	Erythromycin	500 mg	1242000	E1305000	794
PHR1610	Erythromycin Ethylsuccinate	250 mg	1245008	E1500000	—
PHR1733	Escitalopram Oxalate	1 g	1249406	—	—
PHR1585	Esomeprazole Magnesium	1 g	1249789	Y0001028	—
PHR1353	Estradiol	1 g	1250008	E1620000	729
PHR1535	Estrone	500 mg	1255001	E1700000	860
PHR1480	Ethinyl Estradiol	200 mg	1260001	E1900000	421
PHR1413	Ethosuximide	1 g	1264002	E2150000	146
PHR1481	Ethyl Acetate	3x1.2 mL	1265402	E2195000	—
PHR1267	Ethyl maltol	1 g	1266008	—	—
PHR1268	Ethyl Vanillin	1 g	1267500	—	—
PHR1229	Ethylbenzene	3x1.2 mL	1265457	—	—
PHR1046	Ethylene Glycol	1 g	1265515	—	—
PHR1295	Ethylene Oxide Stock Solution	1.2 mL	—	—	—
PHR1011	Ethylparaben	10 g	1267000	E2425000	—
PHR1011	Ethylparaben	1 g	1267000	E2425000	—
PHR1011	Ethylparaben (Ethyl parahydroxybenzoate)	1 g	1267000	E2425000	—
PHR1269	Eugenol	1 g	1268965	E5000000	—
PHR1634	Exemestane	1 g	1269050	—	—
PHR1696	Famciclovir	1 g	1269152	—	—

Cat. No.	Description	Package Size	Traceable to		
			USP No.	EP No.	BP No.
PHR1055	Famotidine	1 g	1269200	F0050000	653
PHR1246	Fenofibrate	500 mg	1269447	F0048000	—
PHR1160	Fluconazole	1 g	1271700	Y0000557	—
PHR1651	(2-[2-fluoro-4-(1H-1,2,4-triazol-1-yl)phenyl]-1,3-bis(1H-1,2,4-triazol-1-yl)-propan-2-ol) (Fluconazole RCA)	30 mg	1271711	Y0000573	—
PHR1659	Flucytosine	1 g	1272000	F0175000	—
PHR1442	Flunixin Meglumine	1 g	1274607	Y0000443	—
PHR1397	Fluocinolone Acetonide	500 mg	1275009	F0200000	160
PHR1174	Fluoroquinolonic Acid(Ciprofloxacin Imp A)	500 mg	1278302	C2190050	—
PHR1227	Fluorouracil	500 mg	1279000	F0250000	995
PHR1394	Fluoxetine Hydrochloride	1 g	1279804	F0253000	797
PHR1499	Flurbiprofen	500 mg	1285750	F0285200	—
PHR1702	Fluticasone Propionate	200 mg	—	—	—
PHR1620	Fluvastatin Sodium	1 g	1285931	Y0001082	—
PHR1035	Folic Acid	1 g	1286005	F0300000	—
PHR1334	N(4aminobenzoyl)LGlutamic acid (Folic Acid Imp A)	500 mg	—	1	—
PHR1436	Foscarnet Sodium	1 g	1283302	F0389000	623
PHR1002	Fructose	1 g	1286504	F0550000	—
PHR1270	Fumaric Acid	1 g	1286708	F0600000	—
PHR1057	Furosemide	1 g	1287008	F0700000	547
PHR1049	Gabapentin	1 g	1287303	—	—
PHR1322	4,4Pentamethylene2pyrrolidinone (Gabapentin Related Compound A)	100 mg	1287325	Y0001281	—
PHR1593	Ganciclovir	1 g	1288306	Y0001129	—
PHR1243	Gaunine	500 mg	1302156	—	879
PHR1286	Gemfibrozil	1 g	1288500	Y0000513	—
PHR1077	Gentamicin Sulfate	1 g	1289003	G0200000	174
PHR1748	Glacial Acetic Acid	3 × 1.5 mL	1005706	—	—
PHR1288	Gliclazide	1 g	—	G0326000	368
PHR1617	Glimepiride	1 g	1292303	Y0000515	1144
PHR1359	Glutathione	500 mg	1294820	Y0000517	—
PHR1287	Glyburide (Glibenclamide)	1 g	1295505	G0325000	175
PHR1020	Glycerin	5 g	1295607	G0400000	—
PHR1484	Glyceryl Monooleate	1 g	1295753	—	—
PHR1111	Glycine	1 g	1295800	G0450000	—
PHR1427	Glycolic Acid	1 g	—	—	—
PHR1616	Granisetron Hydrochloride	500 mg	1298106	Y0000396	—
PHR1534	Griseofulvin	1 g	1299007	G0600000	180
PHR1136	Guaiacol	1.5 g	1300004	Y0000619	—
PHR1027	Guaifenesin	1 g	1301007	G0700000	—
PHR1543	2-(2-methoxyphenoxy)-1,3-propanediol (Guaifenesin Imp B)	50 mg	—	—	—
PHR1724	Haloperidol	400 mg	—	—	—
PHR1428	HEPES	1 g	—	—	—
PHR1554	Heptane	3×1.2 mL	1304209	—	—
PHR1555	Hexane	3×1.2 mL	1601601	—	—
PHR1357	Histamine Dihydrochloride	500 mg	1309009	H0600000	—
PHR1085	Homosalate	1 g	1311408	—	—
PHR1032	Hydrochlorothiazide	1 g	1314009	H1200000	186
PHR1014	Hydrocortisone	500 mg	1316004	H1300000	576
PHR1606	Hydrocortisone Acetate	1 g	1317007	H1400000	584
PHR1469	Hydroquinone	1 g	1324002	—	—
PHR1485	Hydroxypropyl Cellulose	1 g	1329800	—	—
PHR1004	Ibuprofen	1 g	1335508	I0020000	539
PHR1146	4-Isobutyl Acetophenone(Ibuprofen Related Compound C)	500 mg	1335541	—	—
PHR1180	Imidazole	500 mg	1336580	—	—
PHR1500	Imidurea	1 g	1336806	—	—
PHR1197	Iminostilbene (Carbamazepine Related Compound B)	500 mg	1093023	—	—
PHR1660	Indapamide	1 g	1338801	I0150000	999
PHR1247	Indomethacin	500 mg	1341001	I0200000	—
PHR1351	Inositol	1 g	1340960	Y0000485	—
PHR1443	Irbesartan	1 g	1347700	Y0001166	—
PHR1661	Isopentane Solution	2 mL	—	—	—
PHR1123	Isopropyl Myristate	1 g	1350400	I0750000	—

Cat. No.	Description	Package Size	Traceable to		
			USP No.	EP No.	BP No.
PHR1137	Isopropyl Palmitate	1 g	1350603	I0725000	—
PHR1486	Isosorbide Solution	1 g	1352008	—	—
PHR1188	Isotretinoin	3×100 mg	1353500	I0800000	—
PHR1834	Itraconazole	200 mg	1354251	I7000000	—
PHR1380	Ivermectin	1 g	1354309	I8000010	864
PHR1487	Kanamycin Sulfate	500 mg	1355006	K0200000	861
PHR1385	Ketoconazole	1 g	1356508	K0600000	—
PHR1375	Ketoprofen	500 mg	1356632	K2000000	668
PHR1140	Ketorolac Tromethamine	500 mg	1356665	Y0000486	—
PHR1335	Labetalol Hydrochloride	1 g	1356654	L0050000	—
PHR1215	Lactic Acid	1.5 mL×3	1356734	—	—
PHR1025	Lactose (anhydrous)	1 g	1356676	A1206000	—
PHR1024	Lactose monohydrate	1 g	1356701	L0100000	—
PHR1608	Lactulose	1 g	1356803	L0130000	—
PHR1110	L-Alanine	1 g	1012509	A0325000	—
PHR1365	Lamivudine	1 g	1356836	Y0000425	802
PHR1392	Lamotrigine	1 g	1356756	Y0001030	—
PHR1368	2,3-Dichlorobenzoic acid (Lamotrigine Related Compound B)	100 mg	1356778	Y0001032	—
PHR1390	Lansoprazole	1 g	1356916	Y0000773	872
PHR1489	L-Arabinitol	1 g	1042102	A1269000	—
PHR1106	L-Arginine	1 g	1042500	A1270000	—
PHR1104	L-Aspartic Acid	1 g	1043819	A1330000	—
PHR1102	L-Cysteine Hydrochloride	1 g	1161509	C3290000	—
PHR1323	L-Cystine	500 mg	1161586	—	—
PHR1378	Leflunomide	1 g	1356960	Y0000654	—
PHR1568	4-(Trifluoromethyl)aniline (Leflunomide Related Compound A)	200 mg	1357045	Y0000487	—
PHR1540	Letrozole	1 g	1356971	Y0000685	—
PHR1541	Leucovorin Calcium	1 g	1358004	C0250000	923
PHR1447	Levetiracetam	1 g	1359404	Y0001253	—
PHR1569	Levocarnitine	1 g	1359903	L0399900	—
PHR1271	Levodopa	500 mg	1361009	L0400000	—
PHR1613	Levothyroxine	1 g	1365000	L0570000	—
PHR1107	L-Glutamic Acid	1 g	1294976	G0355000	—
PHR1125	L-Glutamine	1 g	1294808	—	—
PHR1108	L-Histidine	1 g	1308505	H0750000	—
PHR1034	Lidocaine	1 g	1366002	L0595000	727
PHR1669	2,6-Dimethylaniline (Lidocaine Related Compound A)	100 mg	—	—	—
PHR1670	(diethylazinoyl)-n-(2,6-dimethylphenyl)acetamide (Lidocaine Related Compound B)	100 mg	—	—	—
PHR1671	2',6'-Dimethylacetanilide (Lidocaine Related Compound C)	100 mg	—	—	—
PHR1672	2,2'-(Azanediylo)bis[N-(2,6-dimethylphenyl)acetamide] (Lidocaine Related Compound E)	100 mg	—	—	—
PHR1673	n-(2,6-Dimethylphenyl)chloroacetamide (Lidocaine Related Compound H)	100 mg	1366080	—	—
PHR1674	2-(Diethylamino)-N-(2,4-dimethylphenyl)acetamide Hydrochloride (Lidocaine Related Compound I)	100 mg	—	—	—
PHR1675	2-(Diethylamino)-N-(2,5-dimethylphenyl)acetamide Hydrochloride (Lidocaine Related Compound J)	100 mg	—	—	—
PHR1580	Lauric Acid	1 g	1356949	Y0001474	—
PHR1257	Lidocaine Hydrochloride	500 mg	—	L0600000	214
PHR1657	Lincomycin Hydrochloride	1 g	1367005	L0650000	215
PHR1244	Lindane	500 mg	1367504	—	—
PHR1143	Lisinopril	1 g	1368609	L0702000	—
PHR1099	L-Isoleucine	1 g	1349502	I0460000	—
PHR1105	L-Leucine	1 g	1357001	L0375000	—
PHR1096	L-Lysine Acetate	1 g	1371501	Y0000397	—
PHR1101	L-Lysine Hydrochloride	1 g	1372005	L0900000	—
PHR1116	L-Menthol	1 g	1381709	M0350000	772
PHR1241	L-Methionine	1 g	1411504	M0960000	—
PHR1162	Loperamide Hydrochloride	1 g	1370000	L0750000	635
PHR1376	Loratadine	1 g	1370270	Y0000688	874
PHR1602	Losartan Potassium	1 g	1370462	Y0001062	867
PHR1285	Lovastatin	1 g	1370600	L0790000	—
PHR1100	L-Phenylalanine	1 g	1530503	P1150000	—
PHR1332	L-Proline	500 mg	1568506	P3350000	—
PHR1103	L-Serine	1 g	1612506	S0450000	—

Cat. No.	Description	Package Size	Traceable to		
			USP No.	EP No.	BP No.
PHR1242	L-Threonine	500 mg	1667202	T1340000	—
PHR1176	L-Tryptophan	1 g	1700501	T2610000	—
PHR1097	L-Tyrosine	1 g	1705006	T2900000	—
PHR1172	L-Valine	1 g	1708503	V0030000	—
PHR1328	Magnesium Carbonate	5 g	1374226	—	—
PHR1272	Maleic Acid	500 mg	1374500	—	—
PHR1273	Malic Acid	1 g	1374601	Y0000143	—
PHR1248	Maltitol	500 mg	1374907	M0160000	—
PHR1497	Maltose Monohydrate	1 g	1375025	—	—
PHR1225	m-Aminophenol(Mesalazine Imp B)	500 mg	1026004	—	—
PHR1007	Mannitol	1 g	1375105	M0200000	—
PHR1589	Medroxyprogesterone Acetate	500 mg	1378001	M0250000	221
PHR1705	Mefloquine Hydrochloride	1 g	1379059	M0253000	—
PHR1583	Megestrol Acetate	1 g	1379106	Y0001514	223
PHR1324	Meglumine	1 g	1379140	Y0001209	—
PHR1274	Melamine(Metformin Imp D)	1 g	1379183	—	—
PHR1411	Menadione	500 mg	1381006	M0300000	—
PHR1529	Menthyl Anthranilate	1 g	1381742	—	—
PHR1611	Mercaptopurine	1 g	—	—	—
PHR1060	Mesalamine (Mesalazine)	1 g	1392705	Y0000297	—
PHR1225	m-Aminophenol(Mesalazine Imp B)	500 mg	1026004	—	—
PHR1739	2-Aminophenol (Mesalazine Impurity C)	200 mg	—	Y0001569	—
PHR1547	Mesityl Oxide	3x1.2 mL	—	—	—
PHR1570	Mesna	500 mg	1392807	Y0000337	—
PHR1084	Metformin Hydrochloride	500 mg	1396309	M0605000	—
PHR1331	Cyanoguanidine (Metformin Related Compound A)	500 mg	1396310	—	—
PHR1505	1-Methylbiguanide hydrochloride (Metformin Related Compound B)	50 mg	1396331	—	—
PHR1506	N,N-Dimethyl-[1,3,5]-triazine-2,4,6-triamine (Metformin Related Compound C)	50 mg	1396342	—	—
PHR1274	Melamine(Metformin Imp D)	1 g	1379183	—	—
PHR1532	Dimethylamine Hydrochloride(Metformin Related Compound F)	200 mg	—	Y0001600	—
PHR1372	Methanol	3x1.5 mL	1424109	—	—
PHR1395	Methocarbamol	1 g	1412008	—	—
PHR1396	Methotrexate	1 g	1414003	M1000000	—
PHR1709	Methyl-D-Sorbosonate (Ascorbic Acid Imp D)	30 mg	—	Y0001170	—
PHR1207	Methyl Ethyl Ketone	3x1.2 mL	1430101	—	—
PHR1556	Methyl Isobutyl Ketone(MIBK)	3x1.2 mL	1430203	—	—
PHR1214	Methyl Salicylate	3.2 mL	1437450	—	—
PHR1557	Methylene Chloride	3x1.2 mL	1601441	—	—
PHR1012	Methylparaben (Methyl parahydroxybenzoate)	1 g	1432005	M1650000	—
PHR1717	Methylprednisolone	500 mg	1435003	M1750000	248
PHR1718	Methylprednisolone Acetate	500 mg	1436006	M1755000	249
PHR1346	Methylsulfonylethane	1 g	1437600	—	—
PHR1132	Metoclopramide Hydrochloride	1 g	1440808	M1825000	357
PHR1076	Metoprolol Tartrate	1 g	1441301	M1830000	540
PHR1052	Metronidazole	1 g	1442009	M1850000	603
PHR1618	Miconazole	1 g	1443409	M1880000	—
PHR1163	Miconazole Nitrate	1 g	1443409	M1900000	253
PHR1400	Mometasone Furoate	500 mg	1445470	M2900000	768
PHR1330	Monobasic Potassium Phosphate	5 g	1551139	—	—
PHR1603	Montelukast Sodium	1 g	1446859	Y0001434	—
PHR1542	Moxifloxacin Hydrochloride	1 g	1448606	Y0000703	—
PHR1313	m-Xylene	1 g	1601849	—	—
PHR1451	Mycophenolate Mofetil	1 g	1448956	Y0000489	—
PHR1124	Myristic Acid	1 g	1448990	—	—
PHR1135	Myristyl Alcohol	1 g	1449008	—	—
PHR1775	(N-[2-[[[5-[(dimethylamino)methyl]-2-furyl]methyl]sulfinyl]ethyl]-N-methyl-2-nitro-1,1-ethenediamine (Ranitidine Related Compound C)	100 mg	1598700	—	—
PHR1673	n-(2,6-Dimethylphenyl)chloroacetamide (Lidocaine Related Compound H)	100 mg	1366080	—	—
PHR1334	N(4aminobenzoyl)LGlutamic acid (Folic Acid Imp A)	500 mg	—	1	—
PHR1642	N-(4-Hydroxyphenyl)Propanamide (Acetaminophen RCB)	50 mg	1003027	—	—

Cat. No.	Description	Package Size	Traceable to		
			USP No.	EP No.	BP No.
PHR1774	N,N'-Bis[2-[[[5-[(dimethylamino)methyl]furan-2-yl)methyl]sulfonyl]ethyl]-2-nitroethene-1,1-diamine (Ranitidine Related Compound B)	100 mg	1598609	—	—
PHR1506	N,N-Dimethyl-[1,3,5]-triazine-2,4,6-triamine (Metformin Related Compound C)	50 mg	1396342	—	—
PHR1432	N-Acetylglucosamine	1 g	1010022	—	—
PHR1098	N-Acetyl-L-Cysteine	1 g	1009005	A0150000	—
PHR1177	N-Acetyl-L-Tryptophan	500 mg	1700523	A0208000	—
PHR1173	N-Acetyl-L-Tyrosine	1 g	1010106	A0202000	—
PHR1704	Nafcillin Sodium	1 g	1450007	—	—
PHR1275	Naphthalene	1 g	1457083	—	—
PHR1040	Naproxen	500 mg	1457301	N0250000	435
PHR1165	Naproxen Sodium	1 g	1457403	—	—
PHR1703	Natamycin	1 g	1457505	—	—
PHR1491	Neomycin	1 g	1458009	N0400000	—
PHR1276	Niacin (Nicotinic Acid)	1 g	1461003	N0700000	—
PHR1033	Niacinamide (Nicotinamide)	1 g	1462006	N0600000	460
PHR1290	Nifedipine	1 g	1463508	N0750000	462
PHR1336	Nimesulide	1 g	—	N0845000	—
PHR1293	Nimodipine	1 g	1463858	N0850000	651
PHR1277	Nitritotriacetic acid(Edetate Disodium Imp A)	500 mg	1463950	—	—
PHR1191	Nitrofurantoin	1 g	1464001	—	—
PHR1196	Nitrofurazone (Nitrofurazone)	1 g	1465004	N0950000	—
PHR1352	N-Methylpyrrolidone	2 g	1437202	—	—
PHR1614	Norfloxacin	1 g	1471506	N1230000	670
PHR1536	Norphenylephrine Hydrochloride	200 mg	1473206	—	—
PHR1473	o-Toluenesulfonamide	500 mg	1672010	—	—
PHR1080	Octinoxate	1 g	1477900	—	—
PHR1083	Octocrylene	1 g	1477411	—	—
PHR1155	Octyldodecanol	1 g	1477808	O0101000	—
PHR1168	Ofloxacin	1 g	1478108	O0120000	—
PHR1586	Oleic Acid	1 g	1478130	Y0001479	—
PHR1059	Omeprazole	1 g	1478505	O0150000	765
PHR1648	Omeprazole Sulfone (Omeprazole Related Compound A)	30 mg	1478516	O0151000	—
PHR1649	(4-Methoxy-2-[[[(RS)-(5-methoxy-1H-benzimidazol-2-yl)sulfonyl]methyl]-3,5-dimethylpyridine 1-oxide] (Omeprazole Related Compound E)	30 mg	1478527	—	—
PHR1650	(4-Methoxy-2-[[[(RS)-(5-methoxy-1H-benzimidazol-2-yl)sulfonyl]methyl]-3,5-dimethylpyridine 1-oxide] (Omeprazole Related Compound I)	30 mg	1478561	—	—
PHR1648	Omeprazole Sulfone (Omeprazole Related Compound A)	30 mg	1478516	O0151000	—
PHR1141	Ondansetron Hydrochloride	1 g	1478582	Y0000218	—
PHR1181	2-Methylimidazole (Ondansetron Imp F)	500 mg	—	Y0001320	—
PHR1445	Orlistat	1 g	1478800	—	—
PHR1528	Oxaliplatin	200 mg	1481204	Y0000271	—
PHR1635	Oxcarbazepine	1 g	1483152	Y0001576	—
PHR1074	Oxybenzone	1 g	1485001	—	—
PHR1312	o-Xylene	1 g	1601849	—	—
PHR1572	Oxymetazoline Hydrochloride	500 mg	1486004	O0290000	—
PHR1537	Oxytetracycline	1 g	1491004	O0400000	782
PHR1325	Oxytetracycline Hydrochloride	500 mg	1491015	O0500000	—
PHR1474	p-Toluenesulfonamide	500 mg	1672020	—	—
PHR1355	Padimate O	25 g	H1E172	—	—
PHR1120	Palmitic Acid	1 g	1492007	P0090000	—
PHR1299	Pamabrom	1 g	1077708	—	—
PHR1407	Pamoic Acid	1 g	1493000	—	—
PHR1465	Pantolactone	500 mg	1494807	—	—
PHR1604	Pantoprazole Sodium	1 g	1494895	Y0000835	—
PHR1182	Papaverine Hydrochloride	500 mg	1496008	P0270000	277
PHR1496	Paromomycin	500 mg	1500003	—	—
PHR1200	p-Chloroaniline(Chlorhexidine Imp P)	1 g	1111908	—	—
PHR1596	Pemetrexed	500 mg	—	Y0001539	—
PHR1249	Phenacetin	1 g	1513005	—	—
PHR1094	Phenacetin Melting Point Standard	1 g	1514008	—	—
PHR1573	Phenformin Hydrochloride	500 mg	1520000	—	—
PHR1047	Phenol	1 g	1524806	—	—

Cat. No.	Description	Package Size	Traceable to		
			USP No.	EP No.	BP No.
PHR1402	Phenoxybenzamine Hydrochloride	1 g	1526007	—	—
PHR1121	Phenoxyethanol	1.5 g	1526200	P0950000	—
PHR1403	Phentolamine Mesylate	1 g	1530004	Y0001127	520
PHR1152	Phenyl Salicylate Melting Point Standard	1 g	1534209	—	—
PHR1017	Phenylephrine Hydrochloride	500 mg	1533002	P1250000	284
PHR1695	Phenylephrone hydrochloride (Phenylephrine RCC)	50 mg	—	—	—
PHR1712	Benzylphenylephrone (Phenylephrine RCE)	50 mg	1533046	—	—
PHR1122	Phenylethyl Alcohol	1.5 g	1533250	—	—
PHR1139	Phenytoin	1 g	1535008	P1290000	—
PHR1574	2,2-Diphenylglycine (Phenytoin Related Compound A)	100 mg	1535019	—	—
PHR1692	alpha-((aminocarbonyl)amino)-alpha-phenyl benzeneacetic acid (Phenytoin RCB)	100 mg	—	—	—
PHR1492	Phenytoin Sodium	1 g	1535507	P1300000	—
PHR1297	Phosphated Riboflavin (Riboflavin Sodium Phosphate)	1 g	1535700	R0630000	459
PHR1078	Phytonadione (Phytomenadione)	1 g	1538006	P1609000	—
PHR1493	Pilocarpine Hydrochloride	500 mg	1538902	P1650000	—
PHR1494	Pilocarpine Nitrate	500 mg	1539009	P1700000	503
PHR1632	Pioglitazone HCl	500 mg	1539905	Y0001520	—
PHR1588	Piroxicam	200 mg	1544508	P2130000	463
PHR1595	Polymyxin B Sulfate	500 mg	1547007	P2400000	1028
PHR1329	Potassium Chloride	5 g	1548190	—	—
PHR1130	Potassium Gluconate	1 g	1550001	—	—
PHR1360	Potassium Iodide	5 g	1548280	—	—
PHR1278	Potassium sorbate	1 g	1548407	P2650000	—
PHR1250	Povidone	500 mg	1551503	P2660000	—
PHR1598	Pramipexole Dihydrochloride	500 mg	1553859	Y0001266	—
PHR1302	Pramoxine Hydrochloride	1 g	1554002	—	—
PHR1391	Praziquantel	1 g	1554603	P2670000	—
PHR1043	Prednisolone	500 mg	1555005	P2700000	464
PHR1630	Prednisolone Acetate	1 g	1556008	P2800000	1140
PHR1042	Prednisone	1 g	1559006	P2900000	553
PHR1252	Procainamide Hydrochloride	500 mg	1563502	P3050000	—
PHR1161	Procaine Hydrochloride	1 g	1564006	P3100000	—
PHR1142	Progesterone	1 g	1568007	P3300000	449
PHR1467	Promethazine HCl	1 g	1570009	P3400000	412
PHR1575	Propranolol Bromide	500 mg	1570508	—	—
PHR1663	Propofol	1 mL	1572503	Y0000016	1031
PHR1308	Propranolol HCl	1 g	1576005	P3500000	—
PHR1548	Propyl Acetate	3x1.2 mL	1576402	—	—
PHR1118	Propyl Gallate	1 g	1576800	P3640000	—
PHR1051	Propylene Glycol	1.5 g	1576708	—	—
PHR1010	Propylparaben (Propyl parahydroxybenzoate)	1 g	1577008	P3650000	—
PHR1389	Propylphenazone	1 g	—	P3750000	—
PHR1314	p-Xylene	1 g	1601849	—	—
PHR1576	Pyrazinamide	500 mg	1585006	P4050000	906
PHR1558	Pyridine	3x1.2 mL	1601747	—	—
PHR1036	Pyridoxine Hydrochloride	500 mg	1587001	P4100000	458
PHR1693	6-methyl-1,3-dihydrofuro[3,4-c]pyridin-7-ol (Pyridoxine Impurity A)	50 mg	—	Y0001226	—
PHR1694	5-(hydroxymethyl)-2,4-dimethylpyridin-3-ol (Pyridoxine Impurity B)	50 mg	—	—	—
PHR1340	Pyrilamine maleate	500 mg	1588004	M0500000	—
PHR1488	Quercetin	1 g	1592409	Y0001009	—
PHR1468	Quinic Acid	1 g	1594506	—	—
PHR1525	Rabeprazole Sodium	1 g	1598019	—	—
PHR1446	Ramipril	1 g	1598303	R0145000	751
PHR1026	Ranitidine Hydrochloride	500 mg	1598405	R0150000	471
PHR1773	2-[[[5-[(dimethylamino)methyl]furan-2-yl]methyl]sulfanyl]ethanamine hemifumarate salt (Ranitidine Related Compound A)	100 mg	1598507	—	—
PHR1774	N,N'-Bis[2-[[[5-[(dimethylamino)methyl]furan-2-yl]methyl]sulfanyl]ethyl]-2-nitroethene-1,1-diamine (Ranitidine Related Compound B)	100 mg	1598609	—	—
PHR1775	(N-[2-[[[5-[(dimethylamino)methyl]-2-furyl]methyl]sulfinyl]ethyl]-N-methyl-2-nitro-1,1-ethenediamine (Ranitidine Related Compound C)	100 mg	1598700	—	—
PHR1750	Reserpine	1g	1601000	R0200000	—
PHR1318	Residual Solvent – Benzene	1.2 mLx3	1601146	—	—

Cat. No.	Description	Package Size	Traceable to		
			USP No.	EP No.	BP No.
PHR1316	Residual Solvent – Chloroform	1.2 mLx3	1601383	—	—
PHR1317	Residual Solvent – Toluene	1.2 mLx3	1601805	—	—
PHR1320	Residual Solvent Class II – Acetonitrile	3x1.2 mL	1601340	—	—
PHR1170	Residual Solvent Class II – Methanol	3x1.2 mL	1601623	—	—
PHR1319	Residual Solvent Class II – Trichloroethylene	3x1.2 mL	1601827	—	—
PHR1063	Residual Solvents – Class I Mix	3x1.2 mL	1601102	R0250000	—
PHR1063	Residual Solvents Mixture – Class I	3x1.2 mL	1601102	R0250000	—
PHR1064	Residual Solvents Mixture – Class IIA	3x1.2 mL	1601281	—	—
PHR1065	Residual Solvents Mixture – Class IIB	3x1.2 mL	1601292	—	—
PHR1066	Residual Solvents Mixture – Class IIC	3x1.2 mL	1601306	—	—
PHR1171	Residual Solvent Class II – Methylene Chloride	3x1.2 mL	1601441	—	—
PHR1201	Resorcinol	500 mg	1602003	Y0000767	—
PHR1236	Retinyl Acetate (Vitamin A Acetate)	1 g	1716002	R0300000	—
PHR1235	Retinyl Palmitate (Vitamin A Palmitate)	1 g	1602502	—	—
PHR1668	Retinyl Propionate	1 g	—	—	—
PHR1700	Ribavirin	1 g	1602706	Y0000377	593
PHR1054	Riboflavin	1 g	1603006	R0600000	—
PHR1664	Rifamycin Sodium	500 mg	—	R1000000	—
PHR1631	Risperidone	500 mg	1604654	R1000600	1137
PHR1615	Ritodrine Hydrochloride	1 g	1604701	—	586
PHR1633	Ropinirole Hydrochloride	200 mg	1605205	Y0001773	—
PHR1625	Rufinamide	500 mg	1606401	—	—
PHR1341	Saccharin	1 g	1607007	S0040000	—
PHR1348	Saccharin Sodium	500 mg	1607040	S0050000	—
PHR1449	Salicylamide	1 g	1608000	—	—
PHR1013	Salicylic Acid	1 g	1609002	S020000	775
PHR1643	4-Hydroxyisophthalic acid (Salicylic Acid Related Compound B)	200 mg	1609024	Y0000405	—
PHR1470	Scopolamine Hydrobromide	500 mg	1610001	H1500000	199
PHR1438	Simvastatin	1 g	1612700	S0650000	739
PHR1279	Sodium Ascorbate	1 g	1613509	Y0000039	—
PHR1231	Sodium Benzoate	1 g	1613564	—	—
PHR1321	Sodium Chloride	5 g	1613804	—	—
PHR1416	Sodium Citrate	1 g	1613859	—	—
PHR1609	Sodium Dehydroacetic Acid	10 g	1166309	—	—
PHR1305	Sodium Dodecylbenzene sulfonate	1 g	1623637	—	—
PHR1408	Sodium Fluoride	1 g	1614002	—	—
PHR1113	Sodium Lactate	1 g	1614308	—	—
PHR1434	Sodium Metabisulfite	1 g	1614396	—	—
PHR1423	Sodium Nitroprusside	1 g	1614501	—	—
PHR1444	Sodium Stearyl Fumarate	1 g	1614705	S0808000	—
PHR1409	Sodium Tartrate Dihydrate	4x1 g	1614909	—	—
PHR1367	Sorbic Acid	1 g	1615956	S0950000	—
PHR1006	Sorbitol	1 g	1617000	S100000	—
PHR1426	Spectinomycin Hydrochloride	500 mg	1618003	Y0000597	—
PHR1441	Spectinomycin sulfate	1 g	1618003	Y0000655	—
PHR1417	Squalane	1 g	1619505	Y0000185	—
PHR1114	Stearic Acid	1 g	1621008	S1340000	—
PHR1115	Stearyl Alcohol	1 g	1622000	S1350000	—
PHR1418	Succinic Acid	1 g	1623411	—	—
PHR1342	Sucralose	500 mg	1623626	Y0001344	—
PHR1001	Sucrose	1 g	1623637	S1600000	—
PHR1498	Sulfacetamide	1 g	1623808	—	—
PHR1519	Sulfacetamide Sodium	1 g	1624006	S1700000	—
PHR1343	Sulfadiazine	500 mg	1625009	S1800000	—
PHR1577	Sulfamerazine	1 g	1628007	S2000000	—
PHR1448	Sulfadimethoxine	500 mg	1626001	—	—
PHR1126	Sulfamethoxazole	1 g	1631001	S2100000	314
PHR1184	Sulfanilamide	5 g	1632004	—	—
PHR1093	Sulfanilamide Melting Point Standard	1 g	1633007	—	—
PHR1419	Sulfanilic Acid	500 mg	1633506	—	—
PHR1087	Sulfapyridine Melting Point Standard	1 g	1635002	—	—

Cat. No.	Description	Package Size	Traceable to		
			USP No.	EP No.	BP No.
PHR1524	Tamsulosin Hydrochloride	200 mg	1643260	Y0000650	876
PHR1667	t-Amyl Alcohol	3x1.2 mL	—	—	—
PHR1472	Tartaric Acid	1 g	1643340	—	—
PHR1109	Taurine	1 g	1643361	—	—
PHR1686	Tazobactam	1 g	1643383	—	—
PHR1437	Temozolomide	1 g	1643543	—	—
PHR1721	Terazosin Hydrochloride	1 g	—	—	—
PHR1298	Terbinafine hydrochloride	1 g	1643496	Y0000535	—
PHR1560	tert-Butyl Methyl Ether	3x1.2 mL	1083303	—	—
PHR1129	Tetracaine Hydrochloride	1 g	1650006	T0500000	—
PHR1041	Tetracycline Hydrochloride	500 mg	1651009	T060000	480
PHR1561	Tetrahydrofuran	3x1.2 mL	1601770	—	—
PHR1023	Theophylline	1 g	1653004	T080000	327
PHR1151	Theophylline Melting Point Standard	1 g	1653117	—	—
PHR1259	Thiabendazole	500 mg	1655000	T1410000	—
PHR1037	Thiamine Hydrochloride	1 g	1656002	Y0000467	—
PHR1337	Thiamine Nitrate	1 g	—	—	414
PHR1369	Thiamine Pyrophosphate	500 mg	1656002	—	—
PHR1587	Thimerosal	1 g	1659000	Y0000109	—
PHR1345	Thymine(Zidovudine RCC)	250 mg	1724532	—	—
PHR1134	Thymol	1 g	1667213	T1350000	—
PHR1079	Tobramycin	1 g	1667508	T150000	—
PHR1629	Tolfenamic Acid	500 mg	—	Y0000154	—
PHR1311	Toluene	1 g	1601805	—	—
PHR1600	Topiramate	1 g	1672206	—	—
PHR1344	Trehalose	500 mg	1673715	Y0001172	—
PHR1187	Tretinoin	3 x 100 mg	1674004	T1850000	—
PHR1410	Triacetin	1 g	1675007	G0400010	—
PHR1701	Triamcinolone Acetonide	1 g	1677002	T1900000	—
PHR1722	Triamterene	400 mg	1680007	Y0000837	3485
PHR1154	Tributyl Citrate	1 g	1009901	—	—
PHR1205	Tributyl Phosphate	0.5 mL	—	Y0000279	—
PHR1562	Trichloroethylene	3x1.2 mL	1601827	—	—
PHR1338	Triclosan	1 g	1682206	—	—
PHR1153	Triethyl Citrate	1 g	1683606	—	—
PHR1056	Trimethoprim	1 g	1692505	T220000	344
PHR1578	Trolamine	5 mL	1696958	T2545000	—
PHR1347	Tromethamine	1 g	1698002	T2550000	—
PHR1508	Tylosin Tartrate	500 mg	1703850	T2880000	349
PHR1429	Undecylonyl Phenylalanine	1 g	—	—	—
PHR1581	Uracil	100 mg	1705753	Y0000764	—
PHR1406	Urea	1 g	1706698	U0600000	350
PHR1579	Ursodiol	500 mg	1707806	U0800000	—
PHR1601	Valacyclovir HCl	1 g	1707839	Y0000834	—
PHR1626	Valganciclovir Hydrochloride	1 g	1708004	—	—
PHR1061	Valproic Acid	1 g	1708707	V0033000	—
PHR1652	Diallyl Acetic Acid (Valproic Acid Related Compound A)	0.5 mL	1708729	—	—
PHR1315	Valsartan	1 g	1708762	Y0001132	—
PHR1732	Vancomycin HCl	4x250 mg	1709007	V0045000	—
PHR1245	Vanillin	1 g	1710006	V0050000	—
PHR1091	Vanillin Melting Point Standard	1 g	1711009	—	—
PHR1627	Vecuronium Bromide	100 mg	1711155	Y0000561	—
PHR1131	Verapamil Hydrochloride	1 g	1711202	V0100000	—
PHR1194	3,4-Dimethoxybenzaldehyde (Verapamil Related Compound E)	500 mg	1711439	—	—
PHR1193	3,4-Dimethoxybenzyl alcohol (Verapamil Related Compound F)	500 mg	1711440	—	—
PHR1435	Warfarin Sodium	1 g	1719000	W0100000	672
PHR1280	Xylitol	1 g	1720600	X0080000	—
PHR1292	Zidovudine	1 g	1724500	Z1900000	—
PHR1345	Thymine(Zidovudine Related Compound C)	250 mg	1724532	—	—
PHR1401	Zinc Pyrithione	5 g	—	—	—

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- Low actinic light control
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- Screw cap vials
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- Humidity control
- Anaerobic Glovebox

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- Inert gas overlay
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- Oxygen sensitive
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