



ANALYTICAL

**REAGENTS &
STANDARDS**



Analytical Reagents & Standards

GFS Chemicals manufactures and lists a great number of ACS and Reagent grade materials for use in the research, analytical and manufacturing laboratories. Besides traditional ACS reagents, GFS provides dyes, indicators, Biochemical tested materials and other common laboratory reagents... GFS has you covered.

Additionally, GFS manufactures its own line of high quality Karl Fischer reagents that covers both volumetric and coulometric applications. Our reagents come with a long shelf life and the lot-to-lot reproducibility you expect and deserve.

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ACS Reagents

GFS Chemicals manufactures and stocks a variety of ACS Reagent salts, acids, bases, indicators and solutions necessary for running any analytical chemistry laboratory. Materials are made fresh and in stock and ready to go. Ask about special packaging options for eliminating potential waste.

Item Number	Product name	CAS #
833	ALUMINUM AMMONIUM SULFATE, DODECAHYDRATE, REAGENT (ACS)	7784-26-1
835	ALUMINUM CHLORIDE, HEXAHYDRATE, REAGENT	7784-13-6
547	AMMONIUM ACETATE, REAGENT (ACS)	631-61-8
2343	AMMONIUM BENZOATE, REAGENT (ACS)	1863-63-4
6451	AMMONIUM CHLORIDE, LOW NITRATE, REAGENT (ACS)	12125-02-9
646	AMMONIUM NITRATE, REAGENT (ACS)	6484-52-2
715	AMMONIUM OXALATE, REAGENT (ACS)	6009-70-7
843	AMMONIUM PERSULFATE, REAGENT (ACS)	7727-54-0
847	AMMONIUM SULFAMATE, REAGENT (ACS)	7773-06-0
848	AMMONIUM TARTRATE, REAGENT	3164-29-2
602	BARIUM CHLORIDE, DIHYDRATE, REAGENT (ACS)	10326-27-9
859	BARIUM SULFATE, REAGENT	7727-43-7
864	BISMUTH NITRATE, PENTAHYDRATE, REAGENT (ACS)	10035-06-0
868	CADMIUM CHLORIDE, ANHYDROUS, REAGENT (ACS)	10108-64-2
869	CADMIUM CHLORIDE, HYDRATED, REAGENT (ACS)	7790-78-5
779	CALCIUM NITRATE, TETRAHYDRATE, REAGENT (ACS)	13477-34-4
13	CERIC AMMONIUM NITRATE, REAGENT (ACS)	16774-21-3
2909	CERIC AMMONIUM NITRATE, SUPERIOR REAGENT (ACS)	16774-21-3
603	CUPRIC CHLORIDE, DIHYDRATE, REAGENT (ACS)	10125-13-0
901	CUPRIC NITRATE, HYDRATE, REAGENT (ACS)	19004-19-4
922	FERRIC NITRATE, REAGENT (ACS)	7782-61-8
5485	HYDROXYLAMMONIUM SULFATE, REAGENT (ACS)	10039-54-0
1973	IMIDAZOLE, REAGENT (ACS)	288-32-4
634	LANTHANUM CHLORIDE, HEPTAHYDRATE, REAGENT (ACS)	10025-84-0
49	LEAD PERCHLORATE, TRIHYDRATE, REAGENT (ACS)	13453-62-8
609	LITHIUM CARBONATE, REAGENT (ACS)	554-13-2
610	LITHIUM METABORATE, ANHYDROUS, REAGENT (ACS)	13453-69-5
221	LITHIUM PERCHLORATE, ANHYDROUS, REAGENT (ACS)	7791-03-9
53	LITHIUM PERCHLORATE, TRIHYDRATE, (ACS) REAGENT	13453-78-6
612	LITHIUM SULFATE, MONOHYDRATE, REAGENT (ACS)	10102-25-7
54	MAGNESIUM PERCHLORATE, ANHYDROUS, REAGENT (ACS)	10034-81-8
55	MAGNESIUM PERCHLORATE, ANHYDROUS, REAGENT (ACS)	10034-81-8
613	MERCURIC NITRATE, MONOHYDRATE, REAGENT (ACS)	7783-34-8
5316	NICKEL CHLORIDE, HEXAHYDRATE, REAGENT (ACS)	7791-20-0
697	NICKEL SULFATE, HEXAHYDRATE, REAGENT (ACS)	10101-97-0
793	POTASSIUM ACETATE, REAGENT (ACS)	127-08-2
1178	POTASSIUM BITARTRATE, REAGENT (ACS)	868-14-4

ACS Reagents cont.

Item Number	Product name	CAS #
987	POTASSIUM CHLORATE, REAGENT (ACS)	3811-04-9
653	POTASSIUM CHLORIDE, REAGENT (ACS)	7447-40-7
654	POTASSIUM IODIDE, REAGENT (ACS)	7681-11-0
794	POTASSIUM NITRITE, REAGENT (ACS)	7758-09-0
996	POTASSIUM OXALATE, MONOHYDRATE, REAGENT (ACS)	6487-48-5
80	POTASSIUM PERCHLORATE, REAGENT (ACS)	7778-74-7
81	POTASSIUM PERIODATE, REAGENT (ACS)	7790-21-8
731	POTASSIUM PHOSPHATE, DIBASIC, REAGENT (ACS)	7758-11-4
732	POTASSIUM PHOSPHATE, MONOBASIC, GRANULAR, REAGENT (ACS)	7778-77-0
378	SILVER NITRATE, REAGENT (ACS)	7761-88-8
618	SILVER SULFATE, REAGENT (ACS)	10294-26-5
656	SODIUM ACETATE, TRIHYDRATE, REAGENT (ACS)	6131-90-4
1029	SODIUM CHLORATE, REAGENT (ACS)	7775-09-9
657	SODIUM CHLORIDE, REAGENT (ACS)	7647-14-5
290	SODIUM COBALTINITRIDE, REAGENT (ACS)	13600-98-1
619	SODIUM FORMATE, REAGENT (ACS)	141-53-7
630	SODIUM HYDROXIDE, REAGENT (ACS)	1310-73-2
93	SODIUM META PERIODATE, REAGENT (ACS)	7790-28-5
6581	SODIUM NITRATE, LOW CHLORIDE	7631-99-4
658	SODIUM NITRATE, REAGENT (ACS)	7631-99-4
559	SODIUM NITRITE, REAGENT (ACS)	7632-00-0
91	SODIUM PERCHLORATE, ANHYDROUS, REAGENT (ACS)	7601-89-0
92	SODIUM PERCHLORATE, MONOHYDRATE, REAGENT (ACS)	713/7791
734	SODIUM PHOSPHATE, DIBASIC, ANHYDROUS, REAGENT (ACS)	7558-79-4
803	SODIUM SULFATE, ANHYDROUS, GRANULAR, REAGENT (ACS)	7757-82-6
805	SODIUM TARTRATE, DIHYDRATE, REAGENT (ACS)	6106-24-7
806	SODIUM TETRABORATE, DECAHYDRATE, REAGENT (ACS)	1303-96-4
562	STANNOUS CHLORIDE, DIHYDRATE, REAGENT (ACS)	10025-69-1
807	STRONTIUM CHLORIDE, HEXAHYDRATE, REAGENT (ACS)	10025-70-4
808	STRONTIUM NITRATE, REAGENT (ACS)	10042-76-9

High Purity Inorganics

Known for our high purity acid distillation capabilities, GFS has vertically integrated these capabilities into the manufacture of high purity inorganic salts. This vertical integration, coupled with our extensive trace metal analysis capabilities, which include ICP-OES and ICP-MS instrumentation, make us the perfect choice for your low trace metal grade chemical needs. We are able to deliver everything from 99.9% to 99.999% trace metals basis purity, and even beyond in some cases. Let GFS manufacture a custom and confidential item for you that will meet your exact requirements.

Item Number	Product name	CAS #
5003	AMMONIUM CHLORIDE, 99.999%	12125-02-9
5127	AMMONIUM NITRATE, 99.999%	6484-52-2

High Purity Inorganics cont.

Item Number	Product name	CAS #
5034	LITHIUM CARBONATE, 99.999%	554-13-2
5045	MERCURIC NITRATE, MONOHYDRATE, 99.999%	7783-34-8
2547	NICKEL OXALATE, 99.9%	547-67-1
5084	POTASSIUM PERIODATE, 99.99%	7790-21-8
1486	RUBIDIUM CHLORIDE, 99.9%	7791-11-9
5165	SCANDIUM CHLORIDE, HEXAHYDRATE, 99.99%	20662-14-0
5166	SCANDIUM NITRATE, HYDRATE, 99.99%	115906-70-2
5089	SILVER PERCHLORATE, HYDRATED, 99.999%	14242-05-8

Biochemical Reagents

GFS Chemicals continues to expand in the manufacture and distribution of bio-chemicals used for various life science applications. GFS offers quite a range of products such as HEPES, MOPS, and other materials manufactured and tested for the bioanalytical and culture media markets.

Item Number	Product name	CAS #
Bio-Tested Reagents		
1901	AMMONIUM ACETATE, BIO-REFINED	
1902	AMMONIUM CHLORIDE, BIO-REFINED	
1905	AMMONIUM NITRATE, BIO-REFINED	
1904	AMMONIUM PHOSPHATE, DIBASIC, BIO-REFINED	
1903	AMMONIUM PHOSPHATE, MONOBASIC, BIO-REFINED	
1906	AMMONIUM SULFATE, BIO-REFINED	
1907	BORIC ACID, BIO-REFINED	
1908	CALCIUM CHLORIDE, DIHYDRATE, BIO-REFINED	
1909	CALCIUM NITRATE, TETRAHYDRATE, BIO-REFINED	
1911	CESIUM CHLORIDE, BIO-REFINED	
1915	LITHIUM METABORATE, ANHYDROUS, BIO-REFINED	
1918	LITHIUM SULFATE, MONOHYDRATE, BIO-REFINED	
1919	MAGNESIUM CHLORIDE, HEXAHYDRATE, BIO-REFINED	
1920	MAGNESIUM NITRATE, HEXAHYDRATE, BIO-REFINED	
1921	MAGNESIUM SULFATE, HEPTAHYDRATE, BIO-REFINED	
1926	POTASSIUM ACID PHTHALATE, BIO-REFINED	
1922	POTASSIUM CHLORATE, BIO-REFINED	
1923	POTASSIUM CHLORIDE, BIO-REFINED	
1927	POTASSIUM IODATE, BIO-REFINED	
1928	POTASSIUM NITRATE, BIO-REFINED	
1929	POTASSIUM PERCHLORATE, BIO-REFINED	
1931	POTASSIUM PERMANGANATE, BIO-REFINED	
1925	POTASSIUM PHOSPHATE, DIBASIC, BIO-REFINED	
1924	POTASSIUM PHOSPHATE, MONOBASIC, BIO-REFINED	

BioChemical Reagents cont.

Item Number	Product name	CAS #
1932	POTASSIUM SULFATE, BIO-REFINED	
1934	SODIUM ACETATE, ANHYDROUS, BIO-REFINED	
1935	SODIUM ACETATE, TRIHYDRATE, BIO-REFINED	
2552	SODIUM BICARBONATE, BIO-REFINED	
1940	SODIUM BITARTRATE, MONOHYDRATE, BIO-REFINED	
1937	SODIUM CHLORIDE, BIO-REFINED	
1943	SODIUM META PERIODATE, BIO-REFINED	
1942	SODIUM NITRATE, BIO-REFINED	
1950	SODIUM PERCHLORATE, MONOHYDRATE, BIO-REFINED	
1938	SODIUM PHOSPHATE, MONOBASIC, MONOHYDRATE, BIO-REFINED	
1944	SODIUM SULFATE, ANHYDROUS, BIO-REFINED	
1945	SODIUM TARTRATE, DIHYDRATE, BIO-REFINED	
1946	SODIUM TETRABORATE, DECAHYDRATE, BIO-REFINED	
1947	SODIUM THIOSULFATE, PENTAHYDRATE, BIO-REFINED	
1949	TRISHYDROXYMETHYLAMINOMETHANE HYDROCHLORIDE, BIO-REFINED	
1948	TRISHYDROXYMETHYLAMINOMETHANE, BIO-REFINED	
1914	GUANIDINE HYDROCHLORIDE, BIO-REFINED	
1936	SODIUM CARBONATE, ANHYDROUS, BIO-REFINED	
1939	SODIUM PHOSPHATE, DIBASIC, BIO-REFINED	
Bio-Reagents		
2273	DIAMMONIUM DIHYDROGEN ETHYLENEDIAMINETETRAACETATE, HYDRATE	
1120	DIPOTASSIUM DIHYDROGEN ETHYLENEDIAMINETETRAACETIC ACID, DIHYDRATE, REAGENT	
347	LITHIUM LACTATE, REAGENT	
1916	LITHIUM NITRATE, TRACE METAL GRADE	
1686	SODIUM BITARTRATE, MONOHYDRATE	
3779	TETRAKIS(TETRABUTYLAMMONIUM) ETHYLENEDIAMINETETRAACETATE, 30% SOLUTION	
2608	TETRAMETHYL-1,3-CYCLOBUTANEDIONE, 99%	
2418	1,2-CYCLOHEXANEDIAMINETETRAACETIC ACID, LOW SODIUM	
3556	CALCIUM GLUCONATE, 98%	
2913	CHLORIDE IONOPHORE I	
568	DIETHYLENETRIAMINEPENTAACETIC ACID	
5612	ETHYLENEGLYCOL-BIS-(AMINOETHYLEETHER)-TETRAACETIC ACID, HIGH PURITY	
330	ETHYLENEGLYCOL-BIS-(AMINOETHYLEETHER)-TETRAACETIC ACID, REAGENT	
538	FERRIC SODIUM ETHYLENEDIAMINETETRAACETATE	
2357	N,N,N',N'-TETRAETHYLETHYLENEDIAMINE	
2359	N,N'-DIETHYLPIPERAZINE, 98%	
2605	PARAFORMALDEHYDE, 95%, PRILLS	
3382	POLY(ETHYLENE GLYCOL) 300	
3511	POLY(ETHYLENE GLYCOL)10,000	
3505	POLY(ETHYLENE GLYCOL)1000	
3506	POLY(ETHYLENE GLYCOL)1500	

BioChemical Reagents cont.

Item Number	Product name	CAS #
3501	POLY(ETHYLENE GLYCOL)200	
3507	POLY(ETHYLENE GLYCOL)2000	
3508	POLY(ETHYLENE GLYCOL)3400	
3502	POLY(ETHYLENE GLYCOL)400	
3499	POLY(ETHYLENE GLYCOL)4000	
3509	POLY(ETHYLENE GLYCOL)4600	
3503	POLY(ETHYLENE GLYCOL)600	
3510	POLY(ETHYLENE GLYCOL)8000	
3504	POLY(ETHYLENE GLYCOL)900	
5275	POTASSIUM CITRATE, DIBASIC, REAGENT	
1023	SODIUM AMMONIUM PHOSPHATE, REAGENT	
5277	SODIUM PHOSPHATE, DIBASIC, DIHYDRATE, REAGENT	
1045	SULFANILAMIDE, REAGENT	
7081	TETRASODIUM ETHYLENEDIAMINETETRAACETATE TETRAHYDRATE, REAGENT	
1054	TRIETHANOLAMINE, REAGENT	
2657	TRITON X-100	
5281	ZINC CITRATE, DIHYDRATE, REAGENT	

Bio-Buffers

5767	HEPES	
2364	2-(N-MORPHOLINO)ETHANESULFONIC ACID, MONOHYDRATE	
2363	3-(N-MORPHOLINO)PROPANESULFONIC ACID	
2663	BRIJ 35	
5440	MOPS, SODIUM SALT	
2362	PIPERAZINE-N,N'-BIS(2-ETHANESULFONIC ACID)	
2361	PIPERAZINE-N,N'-BIS(3-PROPANESULFONIC ACID)	

Dyes, Stains & Indicators

Item Number	Product name	CAS #
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GFS Chemicals has is well known for its analytical indicators for iron and copper and for titration. But we also offer phenolphthalein solution, blue/red/crystal violet dyes and many more. GFS also has a growing line of dyes and stains for analytical and biological applications.

2093	1-(2-PYRIDYLAZO)-2-NAPHTHOL SOLUTION, 1%, In ETHYL ALCOHOL	85-85-8
2012	ALIZARIN RED S SOLUTION, 1% AQUEOUS	130-22-3
2013	ALIZARIN YELLOW R SOLUTION, 0.01% AQUEOUS	2243-76-7
2040	BROMCRESOL GREEN SOLUTION, 1% AQUEOUS	62625-32-5
9352	BROMCRESOL GREEN-METHYL RED MIXED INDICATOR SOLUTION in ETHYL ALCOHOL	
2041	BROMCRESOL PURPLE SOLUTION, 0.04% AQUEOUS	62625-30-3
2042	BROMPHENOL BLUE SOLUTION, 1% AQUEOUS	34725-61-6
2043	BROMTHYMOL BLUE SOLUTION, 0.04% AQUEOUS	34722-90-2
2045	CALMAGITE SOLUTION, 1% AQUEOUS	3147-14-6
5552	DICHLOROFLUORESCHEIN SOLUTION, 1% in REAGENT ALCOHOL	76-54-0

Dyes, Stains & Indicators cont.

Item Number	Product name	CAS #
2061	DIPHENYLAMINE INDICATOR, SOLUTION, 3% AQUEOUS	122-39-4
2065	FERRIC AMMONIUM SULFATE, SOLUTION	7783-83-7
2083	METHYL ORANGE SOLUTION, 0.05% AQUEOUS	547-58-0
2085	METHYL RED SOLUTION, 1% AQUEOUS	845-10-3
2081	METHYLENE BLUE SOLUTION, 0.05% AQUEOUS	7220-79-3
2089	o-NITROPHENOL SOLUTION, 3% AQUEOUS	88-75-5
2095	PHENOL RED SOLUTION, 0.04% AQUEOUS	34487-61-1
2094	PHENOLPHTHALEIN SOLUTION, 0.08%	77-09-8
726	PHENOLPHTHALEIN SOLUTION, 1%	77-09-8
2098	POTASSIUM CHROMATE, 63% W/V, INDICATOR SOLUTION	7789-00-6
1180	POTASSIUM CHROMATE, SOLUTION, 5%	7789-00-6
2161	THYMOL BLUE, SOLUTION, 0.04% AQUEOUS	62625-21-2
2170	XYLENOL ORANGE SOLUTION, 10% AQUEOUS	3618-43-7

Karl Fischer Reagents

GFS manufactures one of the largest selections of Karl Fischer reagents on the market and has the internal technical expertise to meet your needs. From volumetric and coulometric Karl Fischer reagents to water standards, GFS Karl Fischer Reagents are on hand and available to ship. GFS offers both pyridine and pyridine-free solutions. Our Karl Fischer coulometric reagents have a water capacity, in excess of 1000 mg of water/100 ml charge.

Item Number	Product name
Karl Fischer Volumetric Reagents	
1893	WATERMARK KARL FISCHER REAGENT, 5 mg/ml SINGLE SOLUTION, NON-HAZ
1894	WATERMARK KARL FISCHER REAGENT, 2 mg/ml SINGLE SOLUTION, NON-HAZ
1600	WATERMARK KARL FISCHER REAGENT, PYRIDINE-FREE SINGLE SOLUTION, 5 mg/ml
1601	WATERMARK KARL FISCHER REAGENT, PYRIDINE-FREE SINGLE SOLUTION, 2 mg/ml
1604	WATERMARK KARL FISCHER TITRANT, STABLE, 5 mg/ml, NON-HYGROSCOPIC
1603	WATERMARK KARL FISCHER TITRANT, STABLE, 2 mg/ml, NON-HYGROSCOPIC
1970	WATERMARK KARL FISCHER TITRANT, STABLE, 5 mg/ml, NON-HYGROSCOPIC
1616	WATERMARK KARL FISCHER TITRANT, 5 mg/ml, in METHANOL
1602	WATERMARK KARL FISCHER TITRANT, STABLE, 1 mg/ml, NON-HYGROSCOPIC
2978	WATERMARK KARL FISCHER SOLVENT FOR OILS, for ONE-COMPONENT SYSTEM
5322	WATERMARK KARL FISCHER SOLVENT, for ALDEHYDES AND KETONES
1609	WATERMARK KARL FISCHER SOLVENT, METHANOL-FREE
1610	WATERMARK KARL FISCHER SOLVENT, GENERAL PURPOSE
2991	WATERMARK KARL FISCHER SOLVENT FOR OILS, for TWO-COMPONENT SYSTEM
Karl Fischer Buffering Reagents	
1615	WATERMARK KARL FISCHER BUFFER SOLUTION
Coulometric Karl Fischer Reagents	
1607	WATERMARK KARL FISCHER COULOMETRIC VESSEL SOLUTION, CFC FREE
1619	WATERMARK KARL FISCHER COULOMETRIC VESSEL SOLUTION, FOR KETONES AND ALDEHYDES

Karl Fischer Reagents cont.

Item Number	Product name
5202	WATERMARK KARL FISCHER COULOMETRIC VESSEL SOLUTION, for OILS
1671	WATERMARK KARL FISCHER COULOMETRIC VESSEL SOLUTION, DIAPHRAGMLESS, CHLOROFORM-FREE
1612	WATERMARK KARL FISCHER COULOMETRIC VESSEL SOLUTION, PYRIDINE-FREE
1613	WATERMARK KARL FISCHER COULOMETRIC GENERATOR SOLUTION, PYRIDINE-FREE
2321	WATERMARK KARL FISCHER COULOMETRIC GENERATOR SOLUTION, UNIVERSAL
1889	WATERMARK KARL FISCHER COULOMETRIC VESSEL SOLUTION, OVEN
1620	WATERMARK KARL FISCHER REAGENT, 5 mg/ml, STABILIZED, PYRIDINE-BASED
1623	WATERMARK KARL FISCHER COULOMETRIC GENERATOR SOLUTION, PYRIDINE-BASED
1621	WATERMARK KARL FISCHER DILUENT
1622	WATERMARK KARL FISCHER COULOMETRIC VESSEL SOLUTION, PYRIDINE-BASED
Karl Fischer Standards	
1617	WATERMARK KARL FISCHER WATER STANDARD, 5.0 mg/ml
1618	WATERMARK KARL FISCHER WATER STANDARD, 1.0 mg/ml
2196	WATERMARK KARL FISCHER WATER STANDARD, 10 mg/ml
2301	WATERMARK KARL FISCHER WATER STANDARD, 10 mg/g
5707	WATERMARK KARL FISCHER WATER STANDARD, 2.0 mg/mL
2302	WATERMARK KARL FISCHER WATER STANDARD, 1.0 mg/g
2303	WATERMARK KARL FISCHER WATER STANDARD, 10 mg/g
2304	WATERMARK KARL FISCHER WATER STANDARD, 5.0 mg/g
2311	WATERMARK KARL FISCHER WATER STANDARD, 05 mg/g (50 ppm)
3493	WATERMARK KARL FISCHER WATER STANDARD, 50 mg/g
2385	WATERMARK KARL FISCHER WATER STANDARD, POTASSIUM CITRATE
Organic Halogen Reagent (OHR)	
5005	ORGANIC HALOGEN REAGENT, (Sodium Biphenyl Solution)

Solvents

GFS offers exceptional value and superior quality solvents, including ACS grade solvent, HPLC, GC or LC/MS solvents as well as GFS' own Veritas Ultimate solvents. The Veritas grade solvents offer enhanced specifications utilized in critical applications for discriminant instrumentation needs, residue analysis, and cleanroom use in electronics and medical devices. These solvents, in addition to high purity, trace metal grades solvents used in chromatography and spectrophotometry, make up a robust offering all supplied with consistent quality, guaranteed specifications and superior service.

Item Number	Product name
HPLC	
2494	2,2,4-TRIMETHYLPENTANE, HPLC
2481	ACETONE, HPLC
2482	ACETONITRILE, HPLC
2495	CYCLOHEXANE, HPLC
2484	DICHLOROMETHANE, HPLC
2488	ETHYL ACETATE, HPLC
2487	HEPTANE, HPLC

Solvents cont.

Item Number	Product name
2497	HEXANES, HPLC
2489	ISOPROPYL ALCOHOL, HPLC
2483	METHYL ALCOHOL, HPLC
2490	METHYL tert-BUTYL ETHER, HPLC
2491	n-PENTANE, HPLC
2492	TETRAHYDROFURAN, HPLC
2493	TOLUENE, HPLC
1963	WATER, DEIONIZED (HPLC)
LC-MS	
5563	ACETONITRILE, GRADIENT/LC-MS GRADE, VERITAS ULTIMATE SOLVENT
5570	METHYL ALCOHOL, GRADIENT/LC-MS GRADE, VERITAS ULTIMATE
5634	WATER, WITH 0.1% ACETIC ACID, LC-MS Eluent
5635	WATER, WITH 0.1% AMMONIUM HYDROXIDE, LC-MS Eluent
5614	WATER, WITH 0.1% FORMIC ACID, LC-MS Eluent
5615	WATER, WITH 0.1% TRIFLUOROACETIC ACID, LC-MC Eluent
5613	WATER, VERITAS ULTIMATE, DEIONIZED AND FILTERED, FOR LC-MS
HPLC/GC Ultimate	
5578	2,2,4-TRIMETHYLPENTANE, VERITAS ULTIMATE
5562	ACETONE, VERITAS ULTIMATE SOLVENT
5579	ACETONITRILE, LOW WATER, VERITAS ULTIMATE
5564	CYCLOHEXANE, VERITAS ULTIMATE
5565	DICHLOROMETHANE, VERITAS ULTIMATE
5566	ETHYL ACETATE, VERITAS ULTIMATE
5569	ISOPROPYL ALCOHOL, VERITAS ULTIMATE
5572	METHYL ETHYL KETONE, VERITAS ULTIMATE
5573	METHYL tert-BUTYL ETHER, VERITAS ULTIMATE
5567	n-HEPTANE, VERITAS ULTIMATE
5568	n-HEXANE, VERITAS ULTIMATE
5574	n-PENTANE, VERITAS ULTIMATE
5575	PETROLEUM ETHER, VERITAS ULTIMATE
5576	TETRAHYDROFURAN, VERITAS ULTIMATE
5577	TOLUENE, VERITAS ULTIMATE
GC Grade	
1234	CHLOROFORM, VERITAS ULTIMATE, HYDROCARBON STABILIZED
1238	ETHYL ETHER, VERITAS ULTIMATE
1995	METHYL ALCOHOL, VERITAS ULTIMATE, for PURGE and TRAP
ACS Grade	
1064	1,2-DICHLOROETHANE, REAGENT (ACS)
2289	1-METHYL-2-PYRROLIDONE, REAGENT (ACS)
2404	1-OCTANOL, REAGENT (ACS)
1055	2,2,4-TRIMETHYLPENTANE, REAGENT (ACS) for GENERAL USE

Solvents cont.

Item Number	Product name
958	2-METHOXYETHANOL, REAGENT (ACS)
960	4-METHYL-2-PENTANONE, REAGENT (ACS)
828	ACETONE, REAGENT (ACS)
830	ACETONITRILE, REAGENT (ACS)
860	BENZENE, REAGENT (ACS)
2391	BENZYL ALCOHOL, REAGENT (ACS)
1859	CARBON DISULFIDE, LOW BENZENE, REAGENT (ACS)
884	CARBON DISULFIDE, REAGENT (ACS)
1072	CHLOROBENZENE, REAGENT (ACS)
3777	CHLOROFORM, REAGENT (ACS), ALCOHOL STABILIZED
2394	CHLOROFORM, REAGENT (ACS), HYDROCARBON STABILIZED
907	CYCLOHEXANE, REAGENT (ACS)
908	CYCLOHEXANONE, REAGENT (ACS)
909	DICHLOROMETHANE, REAGENT (ACS)
910	DIETHANOLAMINE, REAGENT (ACS)
915	DIOXANE, REAGENT (ACS)
918	ETHYL ACETATE, REAGENT (ACS)
916	ETHYL ETHER, ANHYDROUS, REAGENT (ACS)
917	ETHYL ETHER, REAGENT (ACS)
924	FORMALDEHYDE SOLUTION, 37%, REAGENT (ACS)
1093	FORMAMIDE, REAGENT (ACS)
928	HEXANES, REAGENT (ACS)
2295	ISOAMYL ALCOHOL, REAGENT (ACS)
934	ISOBUTYL ALCOHOL, REAGENT (ACS)
2294	ISOPROPYL ALCOHOL, REAGENT (ACS)
2575	METHYL ALCOHOL, LOW WATER, REAGENT (ACS)
1679	METHYL ALCOHOL, REAGENT (ACS)
959	METHYL ETHYL KETONE, REAGENT (ACS)
961	METHYL SULFOXIDE, REAGENT (ACS)
2268	METHYL tert-BUTYL ETHER, REAGENT (ACS)
913	N,N-DIMETHYLFORMAMIDE, REAGENT (ACS)
1140	n-AMYL ALCOHOL, REAGENT (ACS)
2392	n-BUTYL ACETATE, REAGENT (ACS)
865	n-BUTYL ALCOHOL, REAGENT (ACS)
1593	n-PROPYL ALCOHOL, REAGENT (ACS)
979	PETROLEUM ETHER, REAGENT (ACS)
1975	PROPYLENEGLYCOL, REAGENT (ACS)
1850	REAGENT ALCOHOL, ANHYDROUS: SDA Formula 3-A, 95 parts; and IPA, 5 parts by volume, REAGENT (ACS)
2393	tert-BUTYL ALCOHOL, REAGENT (ACS)
1203	TETRAHYDROFURAN, REAGENT (ACS)
1052	TOLUENE, REAGENT (ACS)

Solvents cont.

Item Number	Product name
1053	TRICHLOROETHYLENE, REAGENT (ACS)
1059	XYLENES, REAGENT (ACS)
Reagent Grade	
3105	1,1-DIPHENYLHEPTANE, 97%
3106	1,1-DIPHENYLHEXANE, 98%
3108	1,1-DIPHENYLPENTANE, 97%
3109	1,1-DIPHENYLPROPANE, 98%
2510	1,2-DIMETHOXYETHANE, 99%
5299	1,4-CYCLOHEXANEDIONE, 98%
3482	1-DECANOL, 99%
4809	1-HEPTANOL, 99%
5430	1-METHOXY-2-PROPANOL, 99%
2577	2,2,2-TRIFLUOROETHANOL, 99%
2751	2,4-PENTANEDIONE, 99%
5414	2-BUTOXYETHANOL, 99%
2992	2-METHYL-2,4-PENTANEDIOL, 99%
3466	3,3-DIMETHYL-1-BUTANOL, 98%
3219	3-METHYL-1-PENTANOL, 97%
849	AMYL ACETATE
4264	BROMOBENZENE, 99%
4912	BUTYL PHENYL ETHER, 99%
2197	CYCLOHEXANE/ISOPROPYL ALCOHOL, AZEOTROPIC SOLUTION
3561	CYCLOPENTANE, TECHNICAL
3516	DECAHYDRONAPHTHALENE, 98%
2738	DIETHYL CARBONATE, 99%
4829	DIETHYLENE GLYCOL DIMETHYL ETHER, 99%
4772	DIETHYLENE GLYCOL MONOBUTYL ETHER, 99%
5405	DIETHYLENE GLYCOL MONOETHYL ETHER, 99%
5407	DIETHYLENE GLYCOL MONOMETHYL ETHER, 98%
5403	DIETHYLENE GLYCOL, 99%
3107	DIPHENYLMETHANE, 98%
2511	ETHYLENE CARBONATE, REAGENT
920	ETHYLENE GLYCOL, REAGENT
1682	HEPTANE, REAGENT GRADE
3744	HEXAMETHYLPHOSPHORAMIDE, 99%
5328	HEXANES, for EPA METHOD 1664A
2961	ISOPENTANE, 99%
817	ISOPROPYL ALCOHOL
9143	ISOPROPYL ALCOHOL, 70% v/v, in WATER
5429	MESITYLENE, 98%
5431	METHYL ACETATE, 99%

Solvents cont.

Item Number	Product name
814	METHYL ALCOHOL
4658	METHYLCYCLOHEXANE, 99%
3775	N,N-DIMETHYLACETAMIDE, 99%
2531	NEOPENTYL ALCOHOL, 98%
2350	n-HEXANE-MTBE 80-20 MIXTURE
1087	n-HEXYL ALCOHOL, 98%
1075	n-PENTANE, REAGENT
5475	o-XYLENE, 97%
505	PROPYLENE CARBONATE, 99%
5477	p-XYLENE, 99%
1100	sec-BUTYL ACETATE, 98%
5244	sec-BUTYL ALCOHOL, 99%
1101	tert-BUTYL ACETATE, 98.0%
5190	TRIBUTYL PHOSPHATE, 98+%
5313	TRIETHYL PHOSPHATE, 99%
Spectroscopy Grade	
829	ACETONE, ACS ULTRAVIOLET SPECTROPHOTOMETRY GRADE
3778	CHLOROFORM, VERITAS ULTIMATE, ALCOHOL STABILIZED
2346	DIETHYLENE GLYCOL DIETHYL ETHER, HALOGEN FREE
2348	TETRAHYDROFURAN, HALOGEN FREE
2347	TOLUENE, HALOGEN FREE

Separation Media

GFS Chemicals offers a variety of popular separation products, from ion exchange resin to totally porous spherical silicas products. These choices provide separations scientists with a broad base of qualified materials. GFS Chemicals empowers you to manage your customized project from research bench to commercialization with complete confidence in consistent quality.

Item Number	Product name
Ion Exchange	
2642	AMBERLITE IR-120 (PLUS), HYDROGEN FORM, ION-EXCHANGE RESIN
2643	AMBERLITE IR-120 (PLUS), SODIUM FORM, ION-EXCHANGE RESIN
2645	AMBERLITE IRA-400 (CL), ION-EXCHANGE RESIN
2646	AMBERLITE IRA-410, ION-EXCHANGE RESIN
2644	AMBERLITE IRA-67, ION-EXCHANGE RESIN
2647	AMBERLITE IRA-900, ION-EXCHANGE RESIN
2653	AMBERLYST 15 (WET), ION-EXCHANGE RESIN
2652	AMBERLYST 15, ION-EXCHANGE RESIN
2654	AMBERLYST A-21, ION-EXCHANGE RESIN
2665	DOWEX 1X2-200, ANION-EXCHANGE RESIN
2666	DOWEX 1X2-400, ANION-EXCHANGE RESIN

Separation Media cont.

Item Number	Product name
2668	DOWEX 1X4-100, ANION-EXCHANGE RESIN
2669	DOWEX 1X4-200, ANION-EXCHANGE RESIN
2670	DOWEX 1X4-400, ANION-EXCHANGE RESIN
2671	DOWEX 1X8-100, ANION-EXCHANGE RESIN
2672	DOWEX 1X8-200, ANION-EXCHANGE RESIN
2673	DOWEX 1X8-400, ANION-EXCHANGE RESIN
2680	DOWEX 50WX2-200, CATION-EXCHANGE RESIN
2681	DOWEX 50WX2-400, CATION-EXCHANGE RESIN
2683	DOWEX 50WX4-200, CATION-EXCHANGE RESIN
2684	DOWEX 50WX4-400, CATION-EXCHANGE RESIN
2686	DOWEX 50WX8-100, CATION-EXCHANGE RESIN
2687	DOWEX 50WX8-200, CATION-EXCHANGE RESIN
2688	DOWEX 50WX8-400, CATION-EXCHANGE RESIN
2685	DOWEX HCR-W2, CATION-EXCHANGE RESIN
1003	ROYER ANION EXCHANGE RESIN, BZL-PEI-100
1002	ROYER ANION EXCHANGE RESIN, BZL-PEI-40
1001	ROYER ANION EXCHANGE RESIN, PEI-100
1000	ROYER ANION EXCHANGE RESIN, PEI-40

Acids

Through proprietary technology GFS has perfected distillation and other methods to produce acids to part per billion (PPB) and part per trillion (PPT) levels of residue with virtually no trace level contaminants. From trace metal (PPT and PPB) grades to ACS Reagent grades to technical grades as well as organic acids and non-aqueous acids.

GFS Chemicals has a full line selection for use in R&D, QA/QC, low level contaminant analysis, and production. Our high purity nitrates, chlorides, carbonates, perchlorates, periodic acid and oxalates are further derived from these acids producing. We can even tailor make products and in quantities that suit your requirements.

ACS/Reagent Grade Acids

Item Number	Product name	CAS #
Acetic acid		
1685	ACETIC ACID SOLUTION, 84%, REAGENT	64-19-7
2004	ACETIC ACID SOLUTION, 20% V/V	64-19-7
2005	ACETIC ACID SOLUTION, 30% V/V	64-19-7
2006	ACETIC ACID SOLUTION, 70%	64-19-7
2583	ACETIC ACID, SUPERIOR REAGENT (ACS)	64-19-7
Hydrochloric Acid		
2586	HYDROCHLORIC ACID, 37%, SUPERIOR REAGENT (ACS)	7647-01-0
Nitric Acid		
626	NITRIC ACID, REAGENT (ACS)	7697-37-2

ACS/Reagent Grade Acids cont.

Item Number	Product name	CAS #
2587	NITRIC ACID, SUPERIOR REAGENT (ACS)	7697-37-2
5734	NITRIC ACID, GFS SELECT TRACE GRADE, MEETS ACS SPECIFICATIONS	7697-37-2
Perchloric Acid		
66	PERCHLORIC ACID, 70%, REAGENT (ACS)	7601-90-3
69	PERCHLORIC ACID, 60%, REAGENT (ACS)	7601-90-3
2477	PERCHLORIC ACID, 70% SUPERIOR REAGENT (ACS)	7601-90-3
2478	PERCHLORIC ACID, 40% REAGENT	7601-90-3
2967	PERCHLORIC ACID, 60% SUPERIOR REAGENT (ACS)	7601-90-3
6601	PERCHLORIC ACID, 50%, REAGENT (ACS)	7601-90-3
65	PERCHLORIC ACID, CONSTANT BOILING, 73.60% HClO ₄	7601-90-3
Phosphoric Acid		
1589	PHOSPHORIC ACID, 85%, SUPERIOR REAGENT (ACS)	7664-38-2
Sulfuric Acid		
1264	SULFURIC ACID, REAGENT, FOR BABCOCK TEST	7664-93-9
1565	SULFURIC ACID, 70%, REAGENT	7664-93-9
1977	SULFURIC ACID, SOLUTION, 18 N	7664-93-9
2588	SULFURIC ACID, SUPERIOR REAGENT (ACS)	7664-93-9
2158	SULFURIC ACID, SOLUTION, 5.00 N	7664-93-9
9005	SULFURIC ACID, SOLUTION, 6 N	7664-93-9
44	IODIC ACID, REAGENT (ACS)	7782-68-5
Other ACS/Reagent Grade Acids		
3196	2-HEXYNOIC ACID, 96%	764-33-0
3272	2-PENTYNOIC ACID, 98%	5963-77-9
3197	5-HEXYNOIC ACID, 96%	53293-00-8
2039	BORIC ACID SOLUTION, 5% W/V	10043-35-3
1332	BORIC ACID, REAGENT (ACS), POWDER	10043-35-3
2048	CITRIC ACID SOLUTION, 10% W/V	77-92-9
1588	CITRIC ACID, ANHYDROUS, LOW METALS GRADE	77-92-9
2585	FORMIC ACID, 88%, SUPERIOR REAGENT (ACS)	64-18-6
2091	OXALIC ACID SOLUTION, 10% W/V	6153-56-6
2450	OXALIC ACID, ANHYDROUS, 98%	144-62-7
1277	OXALIC ACID, DIHYDRATE, HIGH PURITY	6153-56-6
652	OXALIC ACID, DIHYDRATE, REAGENT (ACS)	6153-56-6
74	PERIODIC ACID, REAGENT (ACS)	10450-60-9
7402	PERIODIC ACID, SOLUTION, 50%	10450-60-9
98	SULFAMIC ACID, CERTIFIED, PRIMARY STANDARD	5329-14-6
1109	SULFUROUS ACID, 6%, REAGENT (ACS)	7782-99-2
2983	TRIFLUOROACETIC ACID, BIO-REFINED	76-05-1

Trace Metal Grade Acids

Item Number	Product name	CAS #
Acetic Acid		
546	ACETIC ACID, VERITAS REDISTILLED	64-19-7
1261	ACETIC ACID, VERITAS DOUBLE DISTILLED	64-19-7
2589	ACETIC ACID, ENVIRONMENTAL GRADE	64-19-7
Formic Acid		
1262	FORMIC ACID, 88%, VERITAS DOUBLE DISTILLED	64-18-6
2591	FORMIC ACID, 88%, ENVIRONMENTAL GRADE	64-18-6
Hydrochloric Acid		
504	HYDROCHLORIC ACID, 6 MOLAR, VERITAS REDISTILLED	7647-01-0
2542	HYDROCHLORIC ACID, 6 M, ENVIRONMENTAL GRADE	7647-01-0
2592	HYDROCHLORIC ACID, 30-38%, ENVIRONMENTAL GRADE	7647-01-0
Nitric Acid		
63	NITRIC ACID, REDISTILLED	7697-37-2
621	NITRIC ACID, VERITAS DOUBLE DISTILLED	7697-37-2
2543	NITRIC ACID, 70%, ENVIRONMENTAL GRADE	7697-37-2
Perchloric Acid		
67	PERCHLORIC ACID, 70%, VERITAS REDISTILLED	7601-90-3
230	PERCHLORIC ACID, 70%, VERITAS DOUBLE DISTILLED	7601-90-3
2593	PERCHLORIC ACID, 70%, ENVIRONMENTAL GRADE	7601-90-3
Phosphoric Acid		
5453	PHOSPHORIC ACID, 99.999%, 85% SOLUTION	7664-38-2
Sulfuric Acid		
273	SULFURIC ACID, VERITAS DOUBLE DISTILLED from VYCOR	7664-93-9
2594	SULFURIC ACID, ENVIRONMENTAL GRADE	7664-93-9
Other Trace Metal Acids		
2448	HYDROGEN PEROXIDE, 99.999%, 30-32% IN WATER	7722-84-1
5359	PERIODIC ACID, 99.99+%	10450-60-9
Bases		
9782	AMMONIUM HYDROXIDE SOLUTION, 6 N	1336-21-6
2590	AMMONIUM HYDROXIDE, ENVIRONMENTAL GRADE	1336-21-6
2584	AMMONIUM HYDROXIDE, SUPERIOR REAGENT (ACS)	1336-21-6
2129	SODIUM HYDROXIDE SOLUTION, 25% W/W	1310-73-2
5609	SODIUM HYDROXIDE SOLUTION, 40% W/W	1310-73-2
2131	SODIUM HYDROXIDE SOLUTION, 50% W/W, REAGENT GRADE	1310-73-2
1579	SODIUM HYDROXIDE, SOLUTION, 10 N	1310-73-2
1551	SODIUM HYDROXIDE, SOLUTION, 5 N	1310-73-2
2262	TETRABUTYLAMMONIUM HYDROXIDE, 4 M AQUEOUS, ELECTROMETRIC GRADE	2052-49-5
2984	TETRABUTYLAMMONIUM HYDROXIDE, 40% AQUEOUS SOLUTION	2052-49-5
2520	TETRAETHYLAMMONIUM HYDROXIDE, 20%, AQUEOUS SOLUTION	77-98-5
2528	TETRAPROPYLAMMONIUM HYDROXIDE, 1 M, AQUEOUS SOLUTION	4499-86-9

Buffers & Solutions

GFS Chemicals manufactures and lists a great number of buffers and solutions for use in the research, analytical and manufacturing laboratories. From traditional pH buffers (1.0 – 12.45), volumetric solutions and other common laboratory mixtures, GFS can make and package to your specifications.

Item Number	Product name
Volumetric Solutions	
165	1,10-PHENANTHROLINE FERROUS SULFATE SOLUTION, 0.025 M in WATER
5638	ACID NEUTRALIZING POWDER, INDICATING
9807	ALKALI IODIDE AZIDE SOLUTION
2405	AMMONIUM ACETATE SOLUTION, 10%, AQUEOUS
2020	AMMONIUM CHLORIDE-EDTA REAGENT SOLUTION
3553	AMMONIUM HYDROXIDE SOLUTION, 1 N
1136	AMMONIUM HYDROXIDE SOLUTION, 10% V/V
2024	AMMONIUM MOLYBDATE SOLUTION, 4%
2027	AMMONIUM OXALATE SOLUTION, 5% W/V
1138	AMMONIUM THIOCYANATE SOLUTION, 0.1 N
2031	AMMONIUM THIOCYANATE SOLUTION, 10% W/V
2032	ANTIMONY POTASSIUM TARTRATE, SOLUTION
2034	BARIUM CHLORIDE SOLUTION, 0.1 M
1143	BARIUM CHLORIDE SOLUTION, 0.5 M (12%)
2033	BARIUM CHLORIDE SOLUTION, 10% W/V
5000	BARIUM PERCHLORATE, 0.1 N, AQUEOUS SOLUTION
2038	BORIC ACID ABSORBANT SOLUTION, 2%
2387	BORIC ACID, 4% ABSORBANT
1148	CALCIUM CHLORIDE, SOLUTION, 2.75%
5643	CERIC AMMONIUM SULFATE, SOLUTION, 0.1 N
5644	CERIC AMMONIUM SULFATE, SOLUTION, 0.2 N
1574	CERIC NITRATE, SOLUTION, 1.0N
1575	CERIC NITRATE, SOLUTION, 1.5 N
1983	CERIC SULFATE SOLUTION, 0.4 N
5369	CERIC SULFATE, SOLUTION, 0.002 N
1284	CERIC SULFATE, SOLUTION, 0.0179N
519	CERIC SULFATE, SOLUTION, 0.0500N
26	CERIC SULFATE, SOLUTION, 0.1 N
716	CERIC SULFATE, SOLUTION, 0.2500N
25	CERIC SULFATE, SOLUTION, 0.5N
1991	CHLORIDE COLOR REAGENT, MERCURIC THIOCYANATE 0.06% SOLUTION
2349	CHLORIDE COLORIMETRIC ANALYSIS REAGENT SET
2054	CUPRIC SULFATE SOLUTION, 0.01 M
2053	CUPRIC SULFATE SOLUTION, 5% W/V

Buffers & Solutions cont.

Item Number	Product name
6661	CUPRIETHYLENEDIAMINE SOLUTION, 0.5M
666	CUPRIETHYLENEDIAMINE SOLUTION, 1M
1152	DISODIUM DIHYDROGEN ETHYLENEDIAMINETETRAACETATE SOLUTION, 0.01M
1553	DISODIUM DIHYDROGEN ETHYLENEDIAMINETETRAACETATE SOLUTION, 0.0575M
1151	DISODIUM DIHYDROGEN ETHYLENEDIAMINETETRAACETATE SOLUTION, 0.05M
720	DISODIUM DIHYDROGEN ETHYLENEDIAMINETETRAACETATE SOLUTION, 0.1M
2066	FERRIC CHLORIDE SOLUTION, 10% W/V
2068	FERRIC NITRATE SOLUTION, 20% W/V
2069	FERRIC NITRATE SOLUTION, 44% in 8% Nitric Acid
5533	FORMALIN, 10% NEUTRAL, BUFFERED
2171	HYDROCHLORIC ACID, SOLUTION 6.0 N
1161	HYDROCHLORIC ACID, SOLUTION, 0.01 N
2535	HYDROCHLORIC ACID, SOLUTION, 0.02 N
9318	HYDROCHLORIC ACID, SOLUTION, 0.025 N
2071	HYDROCHLORIC ACID, SOLUTION, 0.05 N
722	HYDROCHLORIC ACID, SOLUTION, 0.1 N
3578	HYDROCHLORIC ACID, SOLUTION, 0.1 N, in ISOPROPYL ALCOHOL
2330	HYDROCHLORIC ACID, SOLUTION, 0.2 N
1162	HYDROCHLORIC ACID, SOLUTION, 0.5 N
382	HYDROCHLORIC ACID, SOLUTION, 1.0 N
2305	HYDROCHLORIC ACID, SOLUTION, 10% v/v
1572	HYDROCHLORIC ACID, SOLUTION, 2 N
9321	HYDROGEN PEROXIDE SOLUTION, 3%
1083	HYDROXYLAMMONIUM CHLORIDE SOLUTION, 10% AQUEOUS
1543	HYDROXYLAMMONIUM CHLORIDE SOLUTION, 20% AQUEOUS
1578	HYDROXYLAMMONIUM CHLORIDE, REAGENT (ACS), LOW MERCURY
1164	IODINE, SOLUTION, 0.1 N
2073	IODINE, SOLUTION, 0.5 N
1163	IODINE, SOLUTION, 1 N
1591	LANTHANUM CHLORIDE, SOLUTION, 10%
2075	LEAD ACETATE, 10% SOLUTION
2076	LEAD PERCHLORATE SOLUTION, 0.1 M
2160	L-TARTARIC ACID SOLUTION, 10% W/V
9171	MERCURIC NITRATE SOLUTION, 0.01 N
2080	MERCURIC NITRATE SOLUTION, 0.1 N
9248	MERCUROUS NITRATE, 10%, SOLUTION IN 10% NITRIC ACID
969	NESSLER REAGENT, Mercuric Potassium Iodide, Solution
1176	NITRIC ACID, SOLUTION, 1.0 N
1280	NITRIC ACID, SOLUTION, 10% W/W
1278	NITRIC ACID, SOLUTION, 15% W/W
1677	PERCHLORIC ACID SOLUTION, 0.1 N, AQUEOUS

Buffers & Solutions cont.

Item Number	Product name
3752	PERCHLORIC ACID, 10% W/W
2286	PHENYLARSINE OXIDE, SOLUTION, 0.00564 N
1279	PHOSPHORIC ACID, SOLUTION, 15%
826	POTASSIUM BIODATE, SOLUTION, 0.025 N
2270	POTASSIUM BROMATE-BROMIDE, SOLUTION, 0.1 N
2546	POTASSIUM BROMATE-BROMIDE, SOLUTION, 0.2 N
384	POTASSIUM CHLORIDE, SOLUTION, 1 N
9328	POTASSIUM CHLORIDE, SOLUTION, 3 M
1179	POTASSIUM CHLORIDE, SOLUTION, 4 M
9149	POTASSIUM CHLORIDE, SOLUTION, 4 M, SATURATED WITH SILVER CHLORIDE
1563	POTASSIUM DICHROMATE, 0.025 N, SOLUTION
730	POTASSIUM DICHROMATE, 0.1 N, SOLUTION
3571	POTASSIUM DICHROMATE, 0.5 N, SOLUTION
2100	POTASSIUM FERRICYANIDE, 10% W/V, AQUEOUS SOLUTION
2101	POTASSIUM FERROCYANIDE, SOLUTION, 10% W/V
3572	POTASSIUM HYDROXIDE SOLUTION 0.01 N, in ISOPROPANOL
1972	POTASSIUM HYDROXIDE SOLUTION 0.1 N, IN ISOPROPANOL
1984	POTASSIUM HYDROXIDE SOLUTION, 0.01 N IN METHANOL
2475	POTASSIUM HYDROXIDE SOLUTION, 0.05 N IN METHANOL
1182	POTASSIUM HYDROXIDE SOLUTION, 0.1 N
1674	POTASSIUM HYDROXIDE SOLUTION, 0.1 N IN METHANOL
1183	POTASSIUM HYDROXIDE SOLUTION, 0.5 N
1184	POTASSIUM HYDROXIDE SOLUTION, 1 N
2188	POTASSIUM HYDROXIDE SOLUTION, 2 N
9055	POTASSIUM HYDROXIDE, 0.02 N, IN ISOPROPANOL
1648	POTASSIUM IODATE, SOLUTION, 0.1 N (0.25 mol/L) TITRANT
1185	POTASSIUM IODATE, SOLUTION, 0.1 N, (0.167 mol/L) IODIMETRIC STANDARD
1564	POTASSIUM IODATE-IODIDE, SOLUTION, 0.1 N
2269	POTASSIUM IODATE-IODIDE, SOLUTION, 0.5 N
2191	POTASSIUM IODIDE, SOLUTION 10% W/V
2274	POTASSIUM IODIDE, SOLUTION, 20%
2102	POTASSIUM IODIDE, SOLUTION, 5% W/V
1186	POTASSIUM PERMANGANATE, SOLUTION, 0.1 N
9004	POTASSIUM PERMANGANATE, SOLUTION, 891 g/L
9370	POTASSIUM THIOCYANATE, SOLUTION, 0.1 N
9795	POTASSIUM THIOCYANATE, SOLUTION, 10% w/v
2103	POTASSIUM THIOCYANATE, SOLUTION, 5% W/V
2187	SILVER NITRATE SOLUTION 10% W/V
3514	SILVER NITRATE, SOLUTION, 0.0141 N
2106	SILVER NITRATE, SOLUTION, 0.02 N
5584	SILVER NITRATE, SOLUTION, 0.02 N, in ISOPROPYL ALCOHOL

Buffers & Solutions cont.

Item Number	Product name
1285	SILVER NITRATE, SOLUTION, 0.05 N
733	SILVER NITRATE, SOLUTION, 0.10 N
2107	SILVER NITRATE, SOLUTION, 0.141 N
1228	SILVER NITRATE, SOLUTION, 0.153 N
9283	SILVER NITRATE, SOLUTION, 0.20 N
2108	SILVER NITRATE, SOLUTION, 0.5 N
1675	SILVER NITRATE, SOLUTION, 1.0 N
9064	SODIUM ACETATE, 0.1 N, IN ACETIC ACID
1084	SODIUM ACETATE, SOLUTION, 10%, IN WATER
1542	SODIUM ACETATE, SOLUTION, 20%, IN WATER
2111	SODIUM BICARBONATE, SOLUTION 0.1 M
2114	SODIUM BROMIDE SOLUTION, 10% W/V
2116	SODIUM CARBONATE SOLUTION, 5% W/V
9837	SODIUM CARBONATE, SOLUTION, 0.02 N
2119	SODIUM CARBONATE, SOLUTION, 1.0 N
5755	SODIUM DIETHYLENTRIAMINEPENTAACETATE, 40% AQUEOUS SOLUTION
2128	SODIUM FLUORIDE, SOLUTION, 0.1 M
1989	SODIUM HYDROXIDE SOLUTION, 10%
2133	SODIUM HYDROXIDE, SOLUTION, 0.02 N
2172	SODIUM HYDROXIDE, SOLUTION, 0.05 N
1191	SODIUM HYDROXIDE, SOLUTION, 0.1 N
2291	SODIUM HYDROXIDE, SOLUTION, 0.1 N, in ETHANOL
2198	SODIUM HYDROXIDE, SOLUTION, 0.2 N
1192	SODIUM HYDROXIDE, SOLUTION, 0.5 N
1193	SODIUM HYDROXIDE, SOLUTION, 1.0 N
1573	SODIUM HYDROXIDE, SOLUTION, 2 N
2134	SODIUM HYDROXIDE-THIOSULFATE SOLUTION
5285	SODIUM HYPOCHLORITE SOLUTION, 10-13% AVAILABLE CHLORINE
2763	SODIUM HYPOCHLORITE SOLUTION, 5% AVAILABLE CHLORINE, REAGENT (ACS)
2137	SODIUM NITRATE, SOLUTION, 5 M
2139	SODIUM NITRITE, SOLUTION, 1 M
5524	SODIUM SULFITE, ZERO DISSOLVED OXYGEN SOLUTION
2145	SODIUM THIOCYANATE SOLUTION, 0.1 N
2144	SODIUM THIOCYANATE SOLUTION, 10% W/V
1559	SODIUM THIOSULFATE SOLUTION, 0.01N
9226	SODIUM THIOSULFATE SOLUTION, 0.025 N
2146	SODIUM THIOSULFATE SOLUTION, 0.05 N
736	SODIUM THIOSULFATE SOLUTION, 0.1 N
9271	SODIUM THIOSULFATE SOLUTION, 0.282 N
2177	SODIUM THIOSULFATE SOLUTION, 0.5 N
1195	SODIUM THIOSULFATE SOLUTION, 1.0 N

Buffers & Solutions cont.

Item Number	Product name
2148	STANNOUS CHLORIDE, 10% W/V, SOLUTION
2149	STANNOUS CHLORIDE, 40%, SOLUTION
2150	STANNOUS CHLORIDE, REAGENT I, SOLUTION
2157	SULFURIC ACID SOLUTION, 10% V/V
2173	SULFURIC ACID, 37%, SOLUTION
1198	SULFURIC ACID, SOLUTION, 0.02 N
1199	SULFURIC ACID, SOLUTION, 0.1 N
2255	SULFURIC ACID, SOLUTION, 0.25 N
1200	SULFURIC ACID, SOLUTION, 0.5 N
1201	SULFURIC ACID, SOLUTION, 1 N
1557	SULFURIC ACID, SOLUTION, 2.56 N
2911	SULFURIC ACID, SOLUTION, 20% W/V
2790	TRIETHANOLAMINE, 0.2 N, AQUEOUS SOLUTION
9053	TRIETHANOLAMINE, 0.5 N, AQUEOUS SOLUTION
pH Buffers	
2325	BUFFER SOLUTION, pH 1.00
1632	BUFFER SOLUTION, pH 2.00
1633	BUFFER SOLUTION, pH 3.00
1634	BUFFER SOLUTION, pH 4.00, (COLOR CODED RED)
680	BUFFER SOLUTION, pH 4.00
1635	BUFFER SOLUTION, pH 5.00
1636	BUFFER SOLUTION, pH 5.50
1637	BUFFER SOLUTION, pH 6.00
1638	BUFFER SOLUTION, pH 6.86
681	BUFFER SOLUTION, pH 7.00
1639	BUFFER SOLUTION, pH 7.00, (COLOR CODED YELLOW)
1640	BUFFER SOLUTION, pH 7.00, (COLOR CODED GREEN)
2335	BUFFER CONCENTRATE, pH 7.00
1642	BUFFER SOLUTION, pH 8.00
1643	BUFFER SOLUTION, pH 9.00
1644	BUFFER SOLUTION, pH 9.18
682	BUFFER SOLUTION, pH 10
1645	BUFFER SOLUTION, pH 10, (COLOR CODED BLUE)
2548	BUFFER SOLUTION, pH 11.00
1647	BUFFER SOLUTION, pH 12.00
2176	BUFFER SOLUTION, pH 12.45
2549	BUFFER pH 4, 7, 10 KIT

Reference Standards

GFS Chemicals manufactures a long line of reference standards such as Karl Fischer water standards, turbidity standards, primary standards, AA/ICP metal solutions, UV/VIS standards and much more for water/wastewater, environmental, industrial, soil, petroleum, food, pharmaceutical and various manufacturing applications.

Item Number	Product name
Primary Standard	
1681	BENZOIC ACID, PRIMARY STANDARD
15	CERIC AMMONIUM NITRATE, CERTIFIED
14	CERIC AMMONIUM NITRATE, PRIMARY STANDARD
686	COPPER, PRIMARY STANDARD REAGENT (ACS), SHOT
136	DIPHENYLGUANIDINE, PRIMARY STANDARD
365	DISODIUM DIHYDROGEN ETHYLENEDIAMINETETRAACETATE DIHYDRATE, PRIMARY STANDARD
41	FEROUS ETHYLENEDIAMMONIUM SULFATE, PRIMARY STANDARD
226	IRON, ELECTROLYTIC, PRIMARY STANDARD
554	POTASSIUM ACID PHTHALATE, PRIMARY STANDARD (ACS)
78	POTASSIUM DICHROMATE, CERTIFIED
1698	SODIUM CARBONATE, ANHYDROUS, PRIMARY STANDARD (ACS)
90	SODIUM OXALATE, CERTIFIED, PRIMARY STANDARD
97	SULFAMIC ACID, PRIMARY STANDARD
5231	TOTAL ORGANIC CARBON STANDARD, 1000 ppm
176	TRISHYDROXYMETHYLAMINOMETHANE, PRIMARY STANDARD
Conductivity Standards	
9477	CONDUCTIVITY STANDARD 84 uS/cm
9307	CONDUCTIVITY STANDARD 100 uS/cm
9245	CONDUCTIVITY STANDARD 147 uS/cm
9376	CONDUCTIVITY STANDARD 400 uS/cm
9413	CONDUCTIVITY STANDARD 1,000 uS/cm
2174	CONDUCTIVITY STANDARD 1413 uS/cm
9414	CONDUCTIVITY STANDARD 10,000 uS/cm
3747	CONDUCTIVITY STANDARD, 12,880 uS/cm
2381	CONDUCTIVITY STANDARD 25,000 uS/cm
9205	CONDUCTIVITY STANDARD 50,000 uS/cm
9357	CONDUCTIVITY STANDARD 100,000 uS/cm
AA Standards	
737	ALUMINUM, 1000 ppm STANDARD SOLUTION
740	BARIUM, 1000 ppm STANDARD SOLUTION
741	BORON, 1000 ppm STANDARD SOLUTION
743	CADMIUM, 1000 ppm STANDARD SOLUTION
744	CALCIUM, 1000 ppm STANDARD SOLUTION
745	CERIUM, 1000 ppm STANDARD SOLUTION
747	CHROMIUM, 1000 ppm STANDARD SOLUTION

Reference Standards cont.

Item Number	Product name
1544	COPPER, 2 ppm STANDARD SOLUTION
2406	COPPER, 5 ppm STANDARD SOLUTION
542	COPPER, 10 ppm STANDARD SOLUTION
543	COPPER, 1,000 ppm STANDARD SOLUTION
1085	IRON, 1 ppm STANDARD SOLUTION
544	IRON, 10 ppm STANDARD SOLUTION
545	IRON, 1,000 ppm STANDARD SOLUTION
749	LANTHANUM, 1,000 ppm STANDARD SOLUTION
750	LEAD, 1,000 ppm STANDARD SOLUTION
751	LITHIUM, 1,000 ppm STANDARD SOLUTION
752	MAGNESIUM, 1,000 ppm STANDARD SOLUTION
753	MANGANESE, 1,000 ppm STANDARD SOLUTION
754	MERCURY, 1,000 ppm STANDARD SOLUTION
755	NICKEL, 1,000 ppm AA STANDARD SOLUTION
759	POTASSIUM, 1,000 ppm AA STANDARD SOLUTION
760	SILVER, 1,000 ppm STANDARD SOLUTION
761	SODIUM, 1,000 ppm STANDARD SOLUTION
762	STRONTIUM, 1,000 ppm STANDARD SOLUTION
764	TIN, 1,000 ppm STANDARD SOLUTION
766	ZINC, 1,000 ppm STANDARD SOLUTION
ICP Standards	
1700	ALUMINUM, 1000 ppm ICP STANDARD SOLUTION, in HYDROCHLORIC ACID
1702	ANTIMONY, 1000 ppm ICP STANDARD SOLUTION
1704	ARSENIC, 1000 ppm ICP STANDARD SOLUTION
1860	BARIUM CHLORIDE SOLUTION, 1.0 N
1706	BARIUM, 1000 ppm ICP STANDARD SOLUTION
1708	BERYLLIUM, 1000 ppm ICP STANDARD SOLUTION
1712	BORON, 1000 ppm ICP STANDARD SOLUTION
1714	CADMIUM, 1000 ppm ICP STANDARD SOLUTION
1716	CALCIUM, 1000 ppm ICP STANDARD SOLUTION
1718	CARBON, 1000 ppm ICP STANDARD SOLUTION
1722	CESIUM, 1000 ppm ICP STANDARD SOLUTION
1974	CHROMIUM, 1000 ppm ICP STANDARD SOLUTION
1724	CHROMIUM, 1000 ppm ICP STANDARD SOLUTION, in HYDROCHLORIC ACID
1726	COBALT, 1000 ppm ICP STANDARD SOLUTION
1728	COPPER, 1,000 ppm ICP STANDARD SOLUTION
1732	ERBIUM, 1,000 ppm ICP STANDARD SOLUTION
1734	EUROPIUM, 1,000 ppm ICP STANDARD SOLUTION
1738	GALLIUM, 1,000 ppm ICP STANDARD SOLUTION
1742	GOLD, 1,000 ppm ICP STANDARD SOLUTION
1748	INDIUM, 1,000 ppm ICP STANDARD SOLUTION

Reference Standards cont.

Item Number	Product name
1750	IRIDIUM, 1,000 ppm ICP STANDARD SOLUTION
1752	IRON, 1,000 ppm ICP STANDARD SOLUTION
1756	LEAD, 1,000 ppm ICP STANDARD SOLUTION
1762	MAGNESIUM, 1,000 ppm ICP STANDARD SOLUTION
1764	MANGANESE, 1,000 ppm ICP STANDARD SOLUTION
1766	MERCURY, 1,000 ppm ICP STANDARD SOLUTION
1770	NEODYMIUM, 1,000 ppm ICP STANDARD SOLUTION
1772	NICKEL, 1,000 ppm ICP STANDARD SOLUTION
1777	PALLADIUM, 1,000 ppm ICP STANDARD SOLUTION
1779	PHOSPHORUS, 1,000 ppm ICP STANDARD SOLUTION
1861	POTASSIUM PERMANGANATE, SOLUTION, 1.0 N
1783	POTASSIUM, 1,000 ppm ICP STANDARD SOLUTION
1785	PRASEODYMIUM, 1,000 ppm ICP STANDARD SOLUTION
1787	RHENIUM, 1,000 ppm ICP STANDARD SOLUTION
1797	SCANDIUM, 1,000 ppm ICP STANDARD SOLUTION
1799	SELENIUM, 1,000 ppm ICP STANDARD SOLUTION
1803	SILVER, 1,000 ppm ICP STANDARD SOLUTION
1805	SODIUM, 1,000 ppm ICP STANDARD SOLUTION
1807	STRONTIUM, 1,000 ppm ICP STANDARD SOLUTION
1809	SULFUR, 1,000 ppm ICP STANDARD SOLUTION
1817	THALLIUM, 1,000 ppm ICP STANDARD SOLUTION
1823	TIN, 1,000 ppm ICP STANDARD SOLUTION
1829	URANIUM, 1,000 ppm ICP STANDARD SOLUTION
1831	VANADIUM, 1,000 ppm ICP STANDARD SOLUTION
1835	YTTRIUM, 1,000 ppm ICP STANDARD SOLUTION
1837	ZINC, 1,000 ppm ICP STANDARD SOLUTION
1839	ZIRCONIUM, 1,000 ppm ICP STANDARD SOLUTION
IC Standards	
3753	ACETATE, 1,000 ppm, ION CHROMATOGRAPHY STANDARD SOLUTION
3754	BROMATE, 1,000 ppm, ION CHROMATOGRAPHY STANDARD SOLUTION
3755	BROMIDE, 1,000 ppm, ION CHROMATOGRAPHY STANDARD SOLUTION
3756	CHLORATE, 1,000 ppm, ION CHROMATOGRAPHY STANDARD SOLUTION
3757	CHLORIDE, 1,000 ppm, ION CHROMATOGRAPHY STANDARD SOLUTION
3758	CHLORITE, 1,000 ppm, ION CHROMATOGRAPHY STANDARD SOLUTION
3759	CHROMATE, 1,000 ppm, ION CHROMATOGRAPHY STANDARD SOLUTION
9030	CYANIDE, 1000 ppm, ION STANDARD
3760	DICHROMATE, 1,000 ppm, ION CHROMATOGRAPHY STANDARD SOLUTION
9319	FLUORIDE, 1 ppm STANDARD SOLUTION, PREMIXED WITH TISAB
3761	FLUORIDE, 1,000 ppm, ION CHROMATOGRAPHY STANDARD SOLUTION
3762	FORMATE, 1,000 ppm, ION CHROMATOGRAPHY STANDARD SOLUTION
3763	IODIDE, 1,000 ppm, ION CHROMATOGRAPHY STANDARD SOLUTION

Reference Standards cont.

Item Number	Product name
3764	MOLYBDATE, 1,000 ppm, ION CHROMATOGRAPHY STANDARD SOLUTION
3765	NITRATE, 1,000 ppm, ION CHROMATOGRAPHY STANDARD SOLUTION
3766	NITRITE, 1,000 ppm, ION CHROMATOGRAPHY STANDARD SOLUTION
2323	NITROGEN, 1,000 ppm, ION CHROMATOGRAPHY STANDARD
3767	OXALATE, 1,000 ppm, ION CHROMATOGRAPHY STANDARD SOLUTION
3768	PERCHLORATE, 1,000 ppm, ION CHROMATOGRAPHY STANDARD SOLUTION
3769	PHOSPHATE, 1,000 ppm, ION CHROMATOGRAPHY STANDARD SOLUTION
3770	SILICA, 1,000 ppm, ION CHROMATOGRAPHY STANDARD SOLUTION
Anion Standards	
738	AMMONIUM, 1000 ppm STANDARD SOLUTION
742	BROMIDE, 1000 ppm STANDARD SOLUTION
746	CHLORIDE, 1000 ppm STANDARD SOLUTION
9320	FLUORIDE, 10 ppm STANDARD SOLUTION, PREMIXED WITH TISAB (Color-coded Orange)
9822	FLUORIDE, 100 ppm STANDARD SOLUTION
2070	FLUORIDE, 1000 ppm STANDARD SOLUTION
756	NITRATE, 1,000 ppm ION STANDARD SOLUTION
757	PERCHLORATE, 1,000 ppm ION STANDARD SOLUTION
758	PHOSPHATE, 1,000 ppm ION STANDARD SOLUTION
763	SULFATE, 1,000 ppm STANDARD SOLUTION
Spectrophotometer Standards	
9498	COLOR STANDARD SOLUTION, APHA 10
9502	COLOR STANDARD SOLUTION, APHA 50
9033	COLOR STANDARD SOLUTION, APHA 100
9418	COLOR STANDARD SOLUTION, APHA 250
2051	COLOR STANDARD SOLUTION, APHA 500
8445	IN-SPEC TRANSMITTANCE STANDARD, 20%
8444	IN-SPEC TRANSMITTANCE STANDARD, 40%
8443	IN-SPEC TRANSMITTANCE STANDARD, 60%
8446	IN-SPEC TRANSMITTANCE LINEARITY KIT
8442	IN-SPEC TRANSMITTANCE STANDARD, 80%
8475	WATER, 100% T
8301	IN-SPEC UV STANDARD #1, PHOTOMETRIC ACCURACY REFERENCE STANDARD
8302	IN-SPEC UV STANDARD # 2, PHOTOMETRIC ACCURACY REFERENCE STANDARD
8303	IN-SPEC UV STANDARD # 3, PHOTOMETRIC ACCURACY REFERENCE STANDARD
8304	IN-SPEC UV STANDARD # 4, PHOTOMETRIC ACCURACY REFERENCE STANDARD
8305	IN-SPEC UV STANDARD # 5, PHOTOMETRIC ACCURACY REFERENCE STANDARD
8306	IN-SPEC UV STANDARD # 6, PHOTOMETRIC ACCURACY REFERENCE STANDARD
8307	IN-SPEC UV STANDARD # 7, PHOTOMETRIC ACCURACY REFERENCE STANDARD
8308	IN-SPEC UV STANDARD # 8, PHOTOMETRIC ACCURACY REFERENCE STANDARD
8309	IN-SPEC UV STANDARD # 20, PHOTOMETRIC ACCURACY REFERENCE STANDARD
8310	IN-SPEC UV STANDARD # 30, PHOTOMETRIC ACCURACY REFERENCE STANDARD

Reference Standards cont.

Item Number	Product name
8350	POTASSIUM DICHROMATE, UV ABSORBANCE/LINEARITY, 20 mg/L REFERENCE SOLUTION
8368	POTASSIUM DICHROMATE, UV ABSORBANCE/LINEARITY, 40 mg/L REFERENCE SOLUTION
8369	POTASSIUM DICHROMATE, UV ABSORBANCE/LINEARITY, 60 mg/L REFERENCE SOLUTION
8348	POTASSIUM DICHROMATE, UV ABSORBANCE/LINEARITY, 80 mg/L REFERENCE SOLUTION
8372	POTASSIUM DICHROMATE, UV ABSORBANCE/LINEARITY, 100 mg/L REFERENCE SOLUTION
8349	POTASSIUM DICHROMATE, UV ABSORBANCE/LINEARITY, BACKGROUND SOLUTION
8385	POTASSIUM DICHROMATE, UV ABSORBANCE/LINEARITY, FULL REFERENCE KIT
8311	IN-SPEC VISIBLE STANDARD 0.05, PHOTOMETRIC ACCURACY REFERENCE STANDARD
8312	IN-SPEC VISIBLE STANDARD 0.1, PHOTOMETRIC ACCURACY REFERENCE STANDARD
8322	IN-SPEC VISIBLE STANDARD 0.3, PHOTOMETRIC ACCURACY REFERENCE STANDARD
8313	IN-SPEC VISIBLE STANDARD 0.5, PHOTOMETRIC ACCURACY REFERENCE STANDARD
8314	IN-SPEC VISIBLE STANDARD 0.8, PHOTOMETRIC ACCURACY REFERENCE STANDARD
8315	IN-SPEC VISIBLE STANDARD 1.0, PHOTOMETRIC ACCURACY REFERENCE STANDARD
8316	IN-SPEC VISIBLE STANDARD 4.0, PHOTOMETRIC ACCURACY REFERENCE STANDARD
8340	IN-SPEC WAVELENGTH VERIFICATION STANDARD, HOLMIUM OXIDE
8378	IN-SPEC WAVELENGTH VERIFICATION STANDARD, DIDYMIUM OXIDE
8379	IN-SPEC WAVELENGTH VERIFICATION STANDARD, SAMARIUM OXIDE
8658	IN-SPEC UV/VIS VERIFICATION KIT
8300	IN-SPEC BACKGROUND SOLUTION
8587	IN-SPEC PURPLE COLOR STANDARD, PHOTOMETRIC ACCURACY REFERENCE
8660	IN-SPEC ORANGE COLOR STANDARD, PHOTOMETRIC ACCURACY REFERENCE
8476	IN-SPEC NANO KIT, PHOTOMETRIC ACCURACY VERIFICATION
8493	IN-SPEC PATENT BLUE 254
8495	IN-SPEC PATENT BLUE 0.5 STANDARD
8494	IN-SPEC AMARANTH RED 0.5 STANDARD
8473	IN-SPEC SPECTRAL RESOLUTION STANDARD, TOLUENE 0.02% in HEXANE
8474	UV BANDWIDTH FILTER - HEXANE BACKGROUND, HEXANE
8343	IN-SPEC PHOTOMETRIC STANDARD 0.5 McFARLAND, 4 to 6 uM particles
8380	IN-SPEC STRAY LIGHT STANDARD, POTASSIUM IODIDE, 1% SOLUTION
8381	IN-SPEC STRAY LIGHT STANDARD, SODIUM IODIDE, 1% SOLUTION
8384	POTASSIUM CHLORIDE, 1.2% SOLUTION, IN-SPEC STRAY LIGHT STANDARD



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