



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/Reagent Grade Acids

GFS has perfected the manufacturing process to produce acids from ACS and parts per billion (ppb) to part per trillion (ppt) levels of residue with virtually no trace level contaminants.

Item Number	Product Name	CAS#
Acetic Acid		
624	ACETIC ACID, GLACIAL, REAGENT (ACS)	64-19-7
2583	ACETIC ACID, SUPERIOR REAGENT (ACS)	64-19-7
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
Hydrochloric Acid		
625	HYDROCHLORIC ACID 37% (ACS)	7647-01-0
2586	HYDROCHLORIC ACID, 37%, SUPERIOR REAGENT (ACS)	7647-01-0
722	HYDROCHLORIC ACID, SOLUTION, 0.1 N	7647-01-0
1162	HYDROCHLORIC ACID, SOLUTION, 0.5 N	7647-01-0
382	HYDROCHLORIC ACID, SOLUTION, 1.0 N	7647-01-0
Hydrofluoric Acid		
931	HYDROFLUORIC ACID, 48%, (ACS)	7664-39-3
Nitric Acid		
626P	NITRIC ACID, REAGENT (ACS), PPQ POLY-BOTTLE	7697-37-2
2587	NITRIC ACID, SUPERIOR REAGENT (ACS)	7697-37-2
1176	NITRIC ACID, SOLUTION, 1.0 N	7697-37-2
1280	NITRIC ACID, SOLUTION, 10% W/W	7697-37-2
1278	NITRIC ACID, SOLUTION, 15% W/W	7697-37-2
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
1681	BORIC ACID, PRIMARY STANDARD	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), HPLC	64-18-6
5949	FORMIC ACID, 98%	64-18-6
2399	HYDRIODIC ACID 47%, (ACS)	10034-85-2
930	HYDROBROMIC ACID, 48% (ACS)	10035-10-6

Acids Cont.

Item Number	Product Name	CAS#
9321	HYDROGEN PEROXIDE SOLUTION, 3%	7722-84-1
44	IODIC ACID, REAGENT (ACS)	7782-68-5
809	L- TARTARIC ACID (ACS)	87-69-4
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
5453	PHOSPHORIC ACID, 99.999%, 85% SOLUTION	7664-38-2
791	PHOSPHOMOLYBDIC ACID, REAGENT (ACS)	51429-74-4
98	SULFAMIC ACID, CERTIFIED, PRIMARY STANDARD	5329-14-6
2416	p-TOLUENESULFONIC ACID, MONOHYDRATE, ACS REAGENT	6192-52-5
3331	TRIFLUOROACETIC ACID 99.5%	76-05-1
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		
627	PHOSPHORIC ACID, 85%, REAGENT (ACS)	7664-38-2
1589	PHOSPHORIC ACID, 85%, SUPERIOR REAGENT (ACS)	7664-38-2
5453	PHOSPHORIC ACID, 99.999%, 85% SOLUTION	7664-38-2
Sulfuric Acid		
628	SULFURIC ACID, REAGENT (ACS)	7664-93-9
2588	SULFURIC ACID, SUPERIOR REAGENT (ACS)	7664-93-9
1565	SULFURIC ACID, 70%, REAGENT	7664-93-9
2173	SULFURIC ACID, 37%, SOLUTION	7664-93-9



SULFURIC ACID, REAGENT (ACS)

Acids Cont.

Item Number	Product Name	CAS#
1977	SULFURIC ACID, SOLUTION, 18 N	7664-93-9
1199	SULFURIC ACID, SOLUTION, 0.1 N	7664-93-9
1200	SULFURIC ACID, SOLUTION, 0.5 N	7664-93-9
1201	SULFURIC ACID, SOLUTION, 1 N	7664-93-9
2158	SULFURIC ACID, SOLUTION, 5.00 N	7664-93-9
9005	SULFURIC ACID, SOLUTION, 6 N	7664-93-9

Acids - Trace Metal Grade

Item Number	Product Name	CAS#
Acetic Acid		
546	ACETIC ACID, VERITAS REDISTILLED	64-19-7
1261	ACETIC ACID, VERITAS DOUBLE DISTILLED	64-19-7
7150	VERITAS TRACE ACETIC ACID	64-19-7
7250	VERITAS ULTIMATE ACETIC ACID	64-19-7
Formic Acid		
1262	FORMIC ACID, 88%, VERITAS DOUBLE DISTILLED	64-18-6
Hydrochloric Acid		
2180	HYDROCHLORIC ACID, 32-38%. VERITAS REDISTILLED	7647-01-0
504	HYDROCHLORIC ACID, 6 M, VERITAS REDISTILLED	7647-01-0
7110	VERITAS TRACE HYDROCHLORIC ACID	7647-01-0
7210	VERITAS ULTIMATE HYDROCHLORIC ACID	7647-01-0
Hydrofluoric Acid		
6027	VERITAS TRACE HF, 5%	7663-39-3
7130	VERITAS TRACE HYDROFLURIC ACID	7663-39-3
7230	VERITAS ULTIMATE HYDROFLURIC ACID	7664-39-3
Nitric Acid		
63	NITRIC ACID, 69%, VERITAS REDISTILLED	7697-37-2
621	NITRIC ACID, VERITAS DOUBLE DISTILLED	7697-37-2
621 P	NITRIC ACID, VERITAS DOUBLE DISTILLED, PPQ POLY-BOTTLE	7697-37-2
7100	VERITAS TRACE NITRIC ACID	7697-37-2
7200	VERITAS ULTIMATE NITRIC ACID	7697-37-2
Other Trace Metal Acids		
3984	HYDROGEN PEROXIDE, 30%, VERITAS LOW TRACE METALS	7722-84-1
2448	HYDROGEN PEROXIDE, 99.999%, 30-32% IN WATER	7722-84-1
5359	PERIODIC ACID, 99.99+%	10450-60-9
Perchloric Acid		
67	PERCHLORIC ACID, 70%, VERITAS REDISTILLED	7601-90-3

Acids Trace Metal Grade Cont.

Item Number	Product Name	CAS#
230	PERCHLORIC ACID, 70%, VERITAS DOUBLE DISTILLED	7601-90-3
7140	VERITAS TRACE PERCHLORIC ACID	7601-90-3
7240	VERITAS ULTIMATE PERCHLORIC ACID	7601-90-3
Sulfuric Acid		
273	VERITAS DOUBLE DISTILLED	7664-93-9
7120	VERITAS TRACE SULFURIC ACID	7664-93-9
7220	VERITAS ULTIMATE SULFURIC ACID	7664-93-9
For Ultra Pure Water		
7290	VERITAS ULTIMATE ULTEAPURE WATER	7732-18-5

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 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
598	ALUMINUM SULFATE HYDRATED REAGENT	16828-11-8
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
842	AMMONIUM IODIDE, REAGENT, (ACS)	12027-06-4
646	AMMONIUM NITRATE, REAGENT (ACS)	6484-52-2
715	AMMONIUM OXALATE, REAGENT (ACS)	6009-70-7
843	AMMONIUM PERSULFATE, REAGENT (ACS)	7727-54-0
647	AMMONIUM SULFATE, REAGENT (ACS)	7783-20-2
847	AMMONIUM SULFAMATE, REAGENT (ACS)	7773-06-0
602	BARIUM CHLORIDE, DIHYDRATE, REAGENT (ACS)	10326-27-9
864	BISMUTH NITRATE, PENTAHYDRATE, REAGENT (ACS)	10035-06-0
868	CADMIUM CHLORIDE, ANHYDROUS, REAGENT (ACS)	10108-64-2
876	CADMIUM CHLORIDE, DIHYDRATE, REAGENT (ACS)	10035-04-8
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
6012	COPPER 99.9% SHOT 10-30 MESH	7440-50-8
603	CUPRIC CHLORIDE, DIHYDRATE, REAGENT (ACS)	10125-13-0
901	CUPRIC NITRATE, HYDRATE, REAGENT (ACS)	19004-19-4
688	1,2-CYCLOHEXANEDIAMINETETRAACETIC ACID, REAGENT (ACS)	125572-95-4
247	DISODIUM DIHYDROGEN ETHYLENEDIAMINETETRAACETATE DIHYDRATE REAGENT (ACS)	6381-92-6

ACS Reagents Cont.

Item Number	Product Name	CAS#
689	EDTA (ACS)	60-00-4
922	FERRIC NITRATE, REAGENT (ACS)	7782-61-8
721	GLYCERIN, REAGENT (ACS)	56-81-5
5485	HYDROXYLAMMONIUM SULFATE, REAGENT (ACS)	10039-54-0
1973	IMIDAZOLE, REAGENT (ACS)	288-32-4
723	IODINE, REAGENT (ACS)	7553-56-2
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
948	MANNITOL, REAGENT (ACS)	69-65-8
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
5616	PARAFORMALDEHYDE, POWDER	30525-89-4
793	POTASSIUM ACETATE, REAGENT (ACS)	127-08-2
554	POTASSIUM ACID PHTHALATE, PRIMARY STANDARD (ACS)	877-24-7
1178	POTASSIUM BITARTRATE, REAGENT (ACS)	868-14-4
987	POTASSIUM CHLORATE, REAGENT (ACS)	3811-04-9
653	POTASSIUM CHLORIDE, REAGENT (ACS)	7447-40-7
1181	POTASSIUM CITRATE, TRIBASIC, MONOHYDRATE, REAGENT	6100-05-6
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
701	POTASSIUM SULFATE, GRANULAR, REAGENT (ACS)	7778-80-5
795	POTASSIUM THIOCYANATE, REAGENT (ACS)	333-20-0
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
3512	SODIUM AZIDE, REAGENT (ACS)	26628-22-8
1649	SODIUM BOROHYDRIDE, GRANULAR, REAGENT (ACS)	16940-66-2
1029	SODIUM CHLORATE, REAGENT (ACS)	7775-09-9
657	SODIUM CHLORIDE, REAGENT (ACS)	7647-14-5

ACS Reagents Cont.

Item Number	Product Name	CAS#
800	SODIUM CITRATE, DIHYDRATE, REAGENT (ACS)	6132-04-3
290	SODIUM COBALTINITRITE, REAGENT (ACS)	13600-98-1
2288	SODIUM DODECYL SULFATE (SDS), REAGENT (ACS)	151-21-3
619	SODIUM FORMATE, REAGENT (ACS)	141-53-7
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)	7791-07-3
2413	SODIUM PEROXIDE, REAGENT (ACS)	1313-60-6
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
2414	STARCH, SOLUBLE, REAGENT (ACS)	9005-84-9
807	STRONTIUM CHLORIDE, HEXAHYDRATE, REAGENT (ACS)	10025-70-4
808	STRONTIUM NITRATE, REAGENT (ACS)	10042-76-9
A7395	SODIUM NITROFERRICYANIDE, DIHYDRATE, REAGENT (ACS)	13755-38-9
1515	TETRAMETHYLAMMONIUM BROMIDE, REAGENT (ACS)	64-20-0
1513	TETRAETHYLAMMONIUM BROMIDE	71-91-0
1096	TRISHYDROXYMETHYLAMINOMETHANE, REAGENT (ACS)	77-86-1
824	UREA, REAGENT (ACS)	57-13-6
331	VITEX, (MODIFIED STARCH)	9005-84-9
1206	ZINC ACETATE, DIHYDRATE, REAGENT (ACS)	5970-45-6
1207	ZINC BROMIDE, REAGENT	7699-45-8
1060	ZINC CHLORIDE, REAGENT (ACS)	7646-85-7
669	ZINC SULFATE, REAGENT (ACS)	7446-20-0

Bases

Item Number	Product Name	CAS#
839	AMMONIUM CARBONATE, REAGENT (ACS)	506-87-6
837	AMMONIUM BICARBONATE, REAGENT	1066-33-7
1133	ALUMINUM HYDROXIDE, REAGENT	21645-51-2
2590	AMMONIUM HYDROXIDE, ENVIRONMENTAL GRADE	1336-21-6
811	AMMONIUM HYDROXIDE, REAGENT (ACS)	1336-21-6
2584	AMMONIUM HYDROXIDE, SUPERIOR REAGENT (ACS)	1336-21-6
810	AMMONIUM HYDROXIDE, VERITAS REDISTILLED	1336-21-6
857	BARIUM HYDROXIDE, OCTAHYDRATE, REAGENT (ACS)	12230-71-6
875	CALCIUM CARBONATE, REAGENT, (ACS)	471-34-1
5270	CALCIUM HYDROXIDE, PURIFIED	1305-62-0

Bases Cont.

Item Number	Product Name	CAS#
878	CALCIUM HYDROXIDE, REAGENT (ACS)	1305-62-0
3121	LITHIUM HYDROXIDE, ANHYDROUS REAGENT	1310-65-2
312	LITHIUM HYDROXIDE, MONOHYDRATE, REAGENT (ACS)	1310-66-3
2272	MAGNESIUM HYDROXIDE, REAGENT	1309-42-8
984	POTASSIUM BICARBONATE, ACS REAGENT	298-14-6
985	POTASSIUM CARBONATE, ANHYDROUS, ACS REAGENT	584-08-7
629	POTASSIUM HYDROXIDE, REAGENT (ACS)	1310-58-3
704	SODIUM BICARBONATE, ACS REAGENT	144-55-8
3594	SODIUM CARBONATE, ANHYDROUS, GRANULAR, ACS REAGENT	497-19-8
7050	SODIUM CARBONATE, ANHYDROUS, 99.99%	497-19-8
705	SODIUM CARBONATE, ANHYDROUS, POWDER, ACS REAGENT	497-19-8
1028	SODIUM CARBONATE, MONOHYDRATE, ACS REAGENT	5968-11-6
630	SODIUM HYDROXIDE, REAGENT (ACS)	1310-73-2
2528	TETRAPROPYLAMMONIUM HYDROXIDE, 1 M, AQUEOUS SOLUTION	4499-86-9

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
Bio-Tested Reagents	
1901	AMMONIUM ACETATE, BIO-REFINED
1902	AMMONIUM CHLORIDE, BIO-REFINED
1903	AMMONIUM PHOSPHATE, MONOBASIC, BIO-REFINED
1906	AMMONIUM SULFATE, 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
1921	MAGNESIUM SULFATE, HEPTAHYDRATE, BIO-REFINED
1926	POTASSIUM ACID PHTHALATE, BIO-REFINED
1922	POTASSIUM CHLORATE, BIO-REFINED
1923	POTASSIUM CHLORIDE, BIO-REFINED
1928	POTASSIUM NITRATE, BIO-REFINED
1931	POTASSIUM PERMANGANATE, BIO-REFINED
1925	POTASSIUM PHOSPHATE, DIBASIC, BIO-REFINED
1924	POTASSIUM PHOSPHATE, MONOBASIC, BIO-REFINED
1936	SODIUM CARBONATE, ANHYDROUS, BIO-REFINED
1937	SODIUM CHLORIDE, BIO-REFINED

Biochemical Reagents Cont.

Item Number	Product Name
1943	SODIUM META PERIODATE, BIO-REFINED
1939	SODIUM PHOSPHATE, DIBASIC, BIO-REFINED
1938	SODIUM PHOSPHATE, MONOBASIC, MONOHYDRATE, BIO-REFINED
1944	SODIUM SULFATE, ANHYDROUS, BIO-REFINED
1945	SODIUM TARTRATE, DIHYDRATE, BIO-REFINED
1949	TRISHYDROXYMETHYLAMINOMETHANE HYDROCHLORIDE, BIO-REFINED
1948	TRISHYDROXYMETHYLAMINOMETHANE, BIO-REFINED
1914	GUANIDINE HYDROCHLORIDE, BIO-REFINED
Bio-Reagents	
2273	DIAMMONIUM DIHYDROGEN ETHYLENEDIAMINETETRAACETATE, HYDRATE
568	DIETHYLENETRIAMINEPENTAACETIC ACID
1120	DIPOTASSIUM DIHYDROGEN ETHYLENEDIAMINETETRAACETIC ACID, DIHYDRATE, REAGENT
330	ETHYLENEGLYCOL-BIS-(AMINOETHYLETHER)-TETRAACETIC ACID, REAGENT
347	LITHIUM LACTATE, REAGENT
1916	LITHIUM NITRATE, TRACE METAL GRADE
2357	N,N,N',N'-TETRAETHYLETHYLENEDIAMINE
2359	N,N'-DIETHYLPIPERAZINE, 98%
2605	PARAFORMALDEHYDE, 95%, PRILLS
3511	POLY(ETHYLENE GLYCOL) 10,000
3505	POLY(ETHYLENE GLYCOL) 1000
3506	POLY(ETHYLENE GLYCOL) 1500
3501	POLY(ETHYLENE GLYCOL) 200
3507	POLY(ETHYLENE GLYCOL) 2000
3382	POLY(ETHYLENE GLYCOL) 300
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
5275	POTASSIUM CITRATE, DIBASIC, REAGENT
1023	SODIUM AMMONIUM PHOSPHATE, REAGENT
1686	SODIUM BITARTRATE, MONOHYDRATE
5277	SODIUM PHOSPHATE, DIBASIC, DIHYDRATE, REAGENT
1045	SULFANILAMIDE, REAGENT
3779	TETRAKIS(TETRABUTYLAMMONIUM) ETHYLENEDIAMINETETRAACETATE, 30% SOLUTION
7081	TETRASODIUM ETHYLENEDIAMINETETRAACETATE TETRAHYDRATE, REAGENT
1054	TRIETHANOLAMINE, REAGENT
2657	TRITON X-100
5281	ZINC CITRATE, DIHYDRATE, REAGENT
Bio-Buffers	
5767	HEPES

Biochemical Reagents Cont.

Item Number	Product Name
2364	2-(N-MORPHOLINO)ETHANESULFONIC ACID, MONOHYDRATE
2363	3-(N-MORPHOLINO)PROPANESULFONIC ACID
2663	BRIJ 35
5440	MOPS, SODIUM SALT
2361	PIPERAZINE-N,N'-BIS(3-PROPANESULFONIC ACID)

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
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

BUFFER SOLUTION KITS AVAILABLE



Buffers & Solutions Cont.

Item Number	Product Name
1647	BUFFER SOLUTION, pH 12.00
2176	BUFFER SOLUTION, pH 12.45
2549	BUFFER pH 4, 7, 10 KIT
Volumetric Solutions	
165	1,10-PHENANTHROLINE FERROUS SULFATE SOLUTION, 0.025 M IN WATER
6029	AMMONIUM HYDROXIDE, 1%, W/W
3553	AMMONIUM HYDROXIDE SOLUTION, 1 N
9782	AMMONIUM HYDROXIDE SOLUTION, 6 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%)
5000	BARIUM PERCHLORATE, 01 N, AQUEOUS SOLUTION
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, 1.0 N
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, 0.0179 N
26	CERIC SULFATE, SOLUTION, 0.1 N
716	CERIC SULFATE, SOLUTION, 0.2500 N
25	CERIC SULFATE, SOLUTION, 0.5 N
1991	CHLORIDE COLOR REAGENT, MERCURIC THIOCYANATE 0.06% SOLUTION
2054	CUPRIC SULFATE SOLUTION, 0.01 M
2053	CUPRIC SULFATE SOLUTION, 5% W/V
6661	CUPRIETHYLENEDIAMINE SOLUTION, 0.5 M
666	CUPRIETHYLENEDIAMINE SOLUTION, 1 M
1152	DISODIUM DIHYDROGEN ETHYLENEDIAMINETETRAACETATE SOLUTION, 0.01 M
1553	DISODIUM DIHYDROGEN ETHYLENEDIAMINETETRAACETATE SOLUTION, 0.0575 M
1151	DISODIUM DIHYDROGEN ETHYLENEDIAMINETETRAACETATE SOLUTION, 0.05 M
720	DISODIUM DIHYDROGEN ETHYLENEDIAMINETETRAACETATE SOLUTION, 0.1 M
2066	FERRIC CHLORIDE SOLUTION, 10% W/V
2068	FERRIC NITRATE SOLUTION, 20% W/V
5533	FORMALIN, 10% NEUTRAL, BUFFERED
2171	HYDROCHLORIC ACID, SOLUTION 6.0 N

Buffers & Solutions Cont.

Item Number	Product Name
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
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
5805	LITHIUM CHLORIDE IN ETHANOL, 1 M
2160	L-TARTARIC ACID SOLUTION, 10% W/V
5671	MEHLICH III KIT
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
71	PERCHLORIC ACID, 0.1 N SOLUTION IN ACETIC ACID
3752	PERCHLORIC ACID, 10% W/W
2286	PHENYLARSINE OXIDE, SOLUTION, 0.00564 N
826	POTASSIUM BIIODATE, 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

Buffers & Solutions Cont.

Item Number	Product Name
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 (025 mol/L) TITRANT
1185	POTASSIUM IODATE, SOLUTION, 0.1 N, (0167 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
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
9973	BUFFER, SIKORA
9064	SODIUM ACETATE, 0.1 N, IN ACETIC ACID
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

Buffers & Solutions Cont.

Item Number	Product Name
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
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
5920	SODIUM PERCHLORATE ELECTROLYTE, SATURATED IN GLACIAL ACETIC ACID
5524	SODIUM SULFITE, ZERO DISSOLVED OXYGEN SOLUTION
2145	SODIUM THIOCYANATE SOLUTION, 0.1 N
1559	SODIUM THIOSULFATE SOLUTION, 0.01 N
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
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
2911	SULFURIC ACID, SOLUTION, 20% W/V
2262	TETRABUTYLAMMONIUM HYDROXIDE, 0.4 M AQUEOUS, ELECTROMETRIC GRADE
2163	TISAB II, SOLUTION, FOR FLUORIDE
2790	TRIETHANOLAMINE, 0.2 N, AQUEOUS SOLUTION
9053	TRIETHANOLAMINE, 0.5 N, AQUEOUS SOLUTION

Dyes, Stains & Indicators

GFS Chemicals 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.

Item Number	Product Name
2093	1-(2-PYRIDYLAZO)-2-NAPHTHOL SOLUTION, 1%, IN ETHYL ALCOHOL
2012	ALIZARIN RED S SOLUTION, 1% AQUEOUS
2013	ALIZARIN YELLOW R SOLUTION, 0.01% AQUEOUS
2040	BROMCRESOL GREEN SOLUTION, 1% AQUEOUS
9352	BROMCRESOL GREEN-METHYL RED MIXED INDICATOR SOLUTION in ETHYL ALCOHOL
2041	BROMCRESOL PURPLE SOLUTION, 0.04% AQUEOUS
2042	BROMPHENOL BLUE SOLUTION, 1% AQUEOUS
2043	BROMTHYMOL BLUE SOLUTION, 0.04% AQUEOUS
2045	CALMAGITE SOLUTION, 1% AQUEOUS
687	CRYSTAL VIOLET, ACS REAGENT
5552	DICHLOROFLUORESCEIN SOLUTION, 1% in REAGENT ALCOHOL
2061	DIPHENYLAMINE INDICATOR, SOLUTION, 3% AQUEOUS
2065	FERRIC AMMONIUM SULFATE, SOLUTION
2083	METHYL ORANGE SOLUTION, 0.05% AQUEOUS
2085	METHYL RED SOLUTION, 1% AQUEOUS
2081	METHYLENE BLUE SOLUTION, 0.05% AQUEOUS
1171	METHYLENE BLUE, ZINC SALT
2095	PHENOL RED SOLUTION, 0.04% AQUEOUS
2094	PHENOLPHTHALEIN SOLUTION, 0.08%
726	PHENOLPHTHALEIN SOLUTION, 1%
2098	POTASSIUM CHROMATE, 63% W/V, INDICATOR SOLUTION
1180	POTASSIUM CHROMATE, SOLUTION, 5%
2161	THYMOL BLUE, SOLUTION, 0.04% AQUEOUS
2537	STARCH INDICATOR, 1%
2152	STARCH INDICATOR, 2%
2170	XYLENOL ORANGE SOLUTION, 10% AQUEOUS

High Purity Inorganic Salts

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
5003	AMMONIUM CHLORIDE, 99.999%
5127	AMMONIUM NITRATE, 99.999%
5034	LITHIUM CARBONATE, 99.999%
5045	MERCURIC NITRATE, MONOHYDRATE, 99.999%
2547	NICKEL OXALATE, 99.9%
5084	POTASSIUM PERIODATE, 99.99%
1486	RUBIDIUM CHLORIDE, 99.9%
5165	SCANDIUM CHLORIDE, HEXAHYDRATE, 99.99%
5166	SCANDIUM NITRATE, HYDRATE, 99.99%
5089	SILVER PERCHLORATE, HYDRATED, 99.999%

Karl Fischer Reagents & Standards

GFS Chemicals manufactures the Watermark® Karl Fischer product line. We have one of the largest selections of Karl Fischer reagents and standards in the industry, and the technical expertise to meet your project's needs.

Item Number	Product Name
One-Component Titrant	
1600	5 mg/mL 1-COMPONENT, WATERMARK KARL FISCHER TITRANT
1601	2 mg/mL 1-COMPONENT, WATERMARK KARL FISCHER TITRANT
1884	1 mg/mL 1-COMPONENT, WATERMARK KARL FISCHER REAGENT
1893	5 mg/mL 1-COMPONENT, NON-HAZ, WATERMARK KARL FISCHER TITRANT
1894	2 mg/mL 1-COMPONENT, NON-HAZ, WATERMARK KARL FISCHER TITRANT
1620	5 mg/mL TITRANT, PYRIDINE BASED, 1-COMPONENT

RESTOCK ON YOUR
WATERMARK KARL FISCHER REAGENT SOLUTIONS



Karl Fischer Reagents Cont.

Item Number	Product Name
Two-Component Titrant	
1616	5 mg/mL 2-COMPONENT TITRANT, IN METHANOL, WATERMARK KARL FISCHER REAGENT
1604	5 mg/mL, 2-COMPONENT TITRANT, STABLE, NON-HYGROSCOPIC WATERMARK KARL FISCHER REAGENT
1603	2 mg/mL, 2-COMPONENT TITRANT, STABLE, NON-HYGROSCOPIC WATERMARK KARL FISCHER REAGENT
1602	1 mg/mL, 2-COMPONENT TITRANT, STABLE, NON-HYGROSCOPIC WATERMARK KARL FISCHER
1970	0.5 mg/mL, 2-COMPONENT TITRANT, STABLE, NON-HYGROSCOPIC WATERMARK KARL FISCHER REAGENT
One-Component Solvent	
5322	ALDEHYDES AND KETONES SOLVENT, 1-COMPONENT, WATERMARK KARL FISCHER REAGENT
3569	METHYL ALCOHOL, ANHYDROUS, WATERMARK KARL FISCHER REAGENT
1885	METHANOL PRIME, WATERMARK KARL FISCHER SOLVENT, FOR FASTER TITRATIONS
2978	SOLVENT FOR OILS, ONE-COMPONENT, WATERMARK KARL FISCHER REAGENT
Two-Component Solvent	
1610	GENERAL PURPOSE, WATERMARK KARL FISCHER SOLVENT, 1 & 2 COMPONENT SUITABLE
1609	METHANOL-FREE, WATERMARK KARL FISCHER SOLVENT, 1 & 2 COMPONENT SUITABLE FOR ALDEHYDES & KETONES
2991	SOLVENT FOR OILS, TWO-COMPONENT, WATERMARK KARL FISCHER REAGENT
Buffering Reagents	
673	BENZOIC ACID, ACS REAGENT
1615	BUFFER SOLUTION, WATERMARK KARL FISCHER REAGENT
1973	IMIDAZOLE, ACS REAGENT
2411	PROPIONIC ACID, ACS REAGENT
799	SALICYLIC ACID, ACS REAGENT
Coulometric Analytes	
1607	ANOLYTE VESSEL SOLUTION, BIODIESEL, NON-POLAR AND OIL, WATERMARK COULOMETRIC KARL FISCHER REAGENT
1619	ANOLYTE VESSEL SOLUTION, FOR KETONES AND ALDEHYDES, WATERMARK COULOMETRIC KARL FISCHER REAGENT
5202	ANOLYTE VESSEL SOLUTION, FOR CRUDE OILS, WATERMARK COULOMETRIC KARL FISCHER REAGENT
1612	ANOLYTE VESSEL SOLUTION, PYRIDINE-FREE, WATERMARK COULOMETRIC KARL FISCHER REAGENT
5605	REAGENT KIT FOR OILS, WATERMARK COULOMETRIC KARL FISCHER REAGENT 8 x 100 mL OF 5202 AND 8 x 5 mL 2321 IN SEALED AMPOULES
1889	VESSEL SOLUTION FOR OVEN APPLICATIONS, WATERMARK COULOMETRIC KARL FISCHER REAGENT
1671	VESSEL SOLUTION, DIAPHRAGMLESS, CHLOROFORM-FREE, WATERMARK COULOMETRIC KARL FISCHER REAGENT
Coulometric Catholytes	
2321	GENERATOR SOLUTION, UNIVERSAL, WATERMARK COULOMETRIC KARL FISCHER REAGENT
1613	GENERATOR SOLUTION, WATERMARK COULOMETRIC KARL FISCHER REAGENT
Desiccants	
1986	SILICA GEL, w/30% INDICATING BEADS, 3-10 MESH
963	MOLECULAR SIEVES, 3Å, 8-12 MESH BEADS
2709	MOLECULAR SIEVES, 3Å, 4-8 MESH BEADS
3021	SODA LIME, INDICATING, CO ₂ ABSORBENT
2655	ASCARITE II, 8-20 MESH, CO ₂ ABSORBENT
2656	ASCARITE II, 20-30 MESH, CO ₂ ABSORBENT
Karl Fischer Water Standards	
2385	POTASSIUM CITRATE, WATERMARK KF WATER STANDARD

Karl Fischer Reagents Cont.

Item Number	Product Name
805	SODIUM TARTRATE, DIHYDRATE, ACS REAGENT, WATER 15.61 - 15.71 %
2303	10.0 mg/g, WATERMARK KF WATER STANDARD, 10,000 ppm
2302	1.0 mg/g, WATERMARK KF WATER STANDARD, 1,000 ppm
3493	0.50 mg/g, WATERMARK KF WATER STANDARD, 500 ppm
5692	0.20 mg/g, WATERMARK KF WATER STANDARD, 200 ppm
2301	0.10 mg/g, WATERMARK KF WATER STANDARD, 100 ppm
2311	0.05 mg/g, WATERMARK KF WATER STANDARD, 50 ppm
1618	1.0 mg/mL, WATERMARK KF WATER STANDARD
Organic Halogen Reagent (OHR)	
5005	ORGANIC HALOGEN REAGENT, (SODIUM BIPHENYL SOLUTION)

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
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
747	CHROMIUM, 1000 ppm STANDARD SOLUTION
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
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

Reference Standards Cont.

Item Number	Product Name
762	STRONTIUM, 1,000 ppm STANDARD SOLUTION
764	TIN, 1,000 ppm STANDARD SOLUTION
766	ZINC, 1,000 ppm 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
758	PHOSPHATE, 1,000 ppm ION STANDARD SOLUTION
763	SULFATE, 1,000 ppm STANDARD SOLUTION
Conductivity Standards	
9477	CONDUCTIVITY STANDARD 84 $\mu\text{S}/\text{cm}$
9307	CONDUCTIVITY STANDARD 100 $\mu\text{S}/\text{cm}$
9245	CONDUCTIVITY STANDARD 147 $\mu\text{S}/\text{cm}$
9376	CONDUCTIVITY STANDARD 400 $\mu\text{S}/\text{cm}$
9413	CONDUCTIVITY STANDARD 1,000 $\mu\text{S}/\text{cm}$
2174	CONDUCTIVITY STANDARD 1413 $\mu\text{S}/\text{cm}$
9414	CONDUCTIVITY STANDARD 10,000 $\mu\text{S}/\text{cm}$
3747	CONDUCTIVITY STANDARD, 12,880 $\mu\text{S}/\text{cm}$
2381	CONDUCTIVITY STANDARD 25,000 $\mu\text{S}/\text{cm}$
9205	CONDUCTIVITY STANDARD 50,000 $\mu\text{S}/\text{cm}$
9357	CONDUCTIVITY STANDARD 100,000 $\mu\text{S}/\text{cm}$
Flash Point Standards	
150900000	FLASH POINT STANDARD (D93-53°C)
150900005	FLASH POINT STANDARD (D93-69°C)
150900010	FLASH POINT STANDARD (D93-81°C)
150900015	FLASH POINT STANDARD (D93-104°C)
150900020	FLASH POINT STANDARD (D93-112°C)
150900025	FLASH POINT STANDARD (D93-116°C)
150900030	FLASH POINT STANDARD (D93-134°C)
150900035	FLASH POINT STANDARD (D93-186°C)
150900100	FLASH POINT STANDARD (D93-205°C)
150900040	FLASH POINT STANDARD (D93-231°C)
150900045	FLASH POINT STANDARD (D93-244°C)

Other Materials Available From GFS Chemicals



Our Amco Clear® turbidity standards are traceable to NIST Primary Standards on account of their consistent particle size and photometric accuracy via UV-VIS spectroscopy. Each lot is normalized to historical lots which were formulated to dilutions of ISO17034 4000 NTU Formazin.

The US EPA recognizes AMCO Clear® as a Primary Standard for the calibration of turbidity meters used both online and in the laboratory for the analysis of drinking water.



CONOSTAN® is the most recognized and trusted name in oil standards. Beginning more than 40 years ago, the uniquely superior CONOSTAN® product chemistry and proprietary blending techniques set a higher standard for the quality and stability of oil reference materials. This technology was born out of petroleum industry partnerships and investment, making it ideally suited to meet the needs of key application areas like wear metals analysis, sulfur analysis, lubricant manufacturing, and petrochemical process monitoring.

GFS' high purity solvents are application and function tested to ensure lot to lot consistency, for confidence you can trust.



Reference Standards Cont.

Item Number	Product Name
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
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
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
6013	REFRACTORY ELEMENTS, 1A. MULTIELEMENT
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

Reference Standards Cont.

Item Number	Product Name
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
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
3758	CHLORITE, 1,000 ppm, ION CHROMATOGRAPHY STANDARD SOLUTION
3759	CHROMATE, 1,000 ppm, ION CHROMATOGRAPHY STANDARD SOLUTION
9030	CYANIDE, 1000 ppm, ION STANDARD
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
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
Spectrophotometer Standards	
9498	COLOR STANDARD SOLUTION, APHA 10
9033	COLOR STANDARD SOLUTION, APHA 100
9418	COLOR STANDARD SOLUTION, APHA 250
9502	COLOR STANDARD SOLUTION, APHA 50
2051	COLOR STANDARD SOLUTION, APHA 500
8494	IN-SPEC AMARANTH RED 0.5 STANDARD
8300	IN-SPEC BACKGROUND SOLUTION
8476	IN-SPEC NANO KIT, PHOTOMETRIC ACCURACY VERIFICATION
8660	IN-SPEC ORANGE COLOR STANDARD, PHOTOMETRIC ACCURACY REFERENCE
8495	IN-SPEC PATENT BLUE 0.5 STANDARD

Reference Standards Cont.

Item Number	Product Name
8493	IN-SPEC PATENT BLUE 254
8343	IN-SPEC PHOTOMETRIC STANDARD 0.5 McFARLAND, 4 to 6 uM particles
8587	IN-SPEC PURPLE COLOR STANDARD, PHOTOMETRIC ACCURACY REFERENCE
8473	IN-SPEC SPECTRAL RESOLUTION STANDARD, TOLUENE 0.02% IN HEXANE
8380	IN-SPEC STRAY LIGHT STANDARD, POTASSIUM IODIDE, 1% SOLUTION
8381	IN-SPEC STRAY LIGHT STANDARD, SODIUM IODIDE, 1% SOLUTION
8446	IN-SPEC TRANSMITTANCE LINEARITY KIT
8445	IN-SPEC TRANSMITTANCE STANDARD, 20%
8444	IN-SPEC TRANSMITTANCE STANDARD, 40%
8443	IN-SPEC TRANSMITTANCE STANDARD, 60%
8442	IN-SPEC TRANSMITTANCE STANDARD, 80%
8302	IN-SPEC UV STANDARD # 2, PHOTOMETRIC ACCURACY REFERENCE STANDARD
8309	IN-SPEC UV STANDARD # 20, PHOTOMETRIC ACCURACY REFERENCE STANDARD
8303	IN-SPEC UV STANDARD # 3, PHOTOMETRIC ACCURACY REFERENCE STANDARD
8310	IN-SPEC UV STANDARD # 30, 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
8301	IN-SPEC UV STANDARD #1, PHOTOMETRIC ACCURACY REFERENCE STANDARD
8658	IN-SPEC UV/VIS VERIFICATION 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
8378	IN-SPEC WAVELENGTH VERIFICATION STANDARD, DIDYMIUM OXIDE
8340	IN-SPEC WAVELENGTH VERIFICATION STANDARD, HOLMIUM OXIDE
8379	IN-SPEC WAVELENGTH VERIFICATION STANDARD, SAMARIUM OXIDE

IN-SPEC

Customizable and can be used with a broad range of instruments: 200nm to 900 nm. All materials are NIST traceable produced in an ISO accredited facility and tested under ISO17025 accreditation.



Reference Standards Cont.

Item Number	Product Name
8384	POTASSIUM CHLORIDE, 1.2% SOLUTION, IN-SPEC STRAY LIGHT STANDARD
8372	POTASSIUM DICHROMATE, UV ABSORBANCE/LINEARITY, 100 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
8349	POTASSIUM DICHROMATE, UV ABSORBANCE/LINEARITY, BACKGROUND SOLUTION
8385	POTASSIUM DICHROMATE, UV ABSORBANCE/LINEARITY, FULL REFERENCE KIT
8474	UV BANDWIDTH FILTER - HEXANE BACKGROUND, HEXANE
8475	WATER, 100% T

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
2645	AMBERLITE IRA-400 (CL), 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
2666	AmberChrom1X2 200-400 Cl, ANION-EXCHANGE RESIN
2668	Amber Chrom 1X4 50-100 Cl, ANION-EXCHANGE RESIN
2671	Amber Chrom 1X8 50-100 Cl, ANION-EXCHANGE RESIN
2673	Amber Chrom 1X8 200-400 Cl, ANION-EXCHANGE RESIN
2680	Amber Chrom 50WX2 100-200H, CATION-EXCHANGE RESIN
2683	Amber Chrom 50WX4 100-200H, CATION-EXCHANGE RESIN
2686	Amber Chrom 50WX8 200-400H, CATION-EXCHANGE RESIN
2687	Amber Chrom 50WX8 100-200H, CATION-EXCHANGE RESIN
2688	Amber Chrom 50WX8 200-400H, CATION-EXCHANGE RESIN
2685	AMBERLYST™ 19, CATION-EXCHANGE RESIN
1001	ROYER ANION EXCHANGE RESIN, PEI-100
1000	ROYER ANION EXCHANGE RESIN, PEI-40

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
ACS Grade HPLC	
828	ACETONE, REAGENT (ACS)
830	ACETONITRILE, 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)
1064	1,2-DICHLOROETHANE, REAGENT (ACS)
909	DICHLOROMETHANE, REAGENT (ACS)
910	DIETHANOLAMINE, REAGENT (ACS)
915	DIOXANE, REAGENT (ACS)
918	ETHYL ACETATE, REAGENT (ACS)



Solvents Cont.

Item Number	Product Name
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)
958	2-METHOXYETHANOL, REAGENT (ACS)
2289	1-METHYL-2-PYRROLIDONE, REAGENT (ACS)
960	4-METHYL-2-PENTANONE, 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)
2404	1-OCTANOL, 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)
1053	TRICHLOROETHYLENE, REAGENT (ACS)
1059	TRICHLOROETHYLENE, REAG
1055	2,2,4-TRIMETHYLPENTANE, REAGENT (ACS) FOR GENERAL USE
GC Grade	
1234	CHLOROFORM, VERITAS ULTIMATE, HYDROCARBON STABILIZED
1238	ETHYL ETHER, VERITAS ULTIMATE
1995	METHYL ALCOHOL, VERITAS ULTIMATE, FOR PURGE AND TRAP
HPLC	
2494	2,2,4-TRIMETHYLPENTANE, HPLC
2481	ACETONE, HPLC
2482	ACETONITRILE, HPLC
2495	CYCLOHEXANE, HPLC
2484	DICHLOROMETHANE, HPLC

Solvents Cont.

Item Number	Product Name
2488	ETHYL ACETATE, HPLC
2487	HEPTANE, HPLC
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
HPLC/GC Ultimate	
5578	2,2,4-TRIMETHYLPENTANE, VERITAS ULTIMATE
5562	ACETONE, VERITAS ULTIMATE SOLVENT
3778	CHLOROFORM, VERITAS ULTIMATE, ALCOHOL STABILIZED
5564	CYCLOHEXANE, VERITAS ULTIMATE
5565	DICHLOROMETHANE, VERITAS ULTIMATE
5566	ETHYL ACETATE, VERITAS ULTIMATE
5569	ISOPROPYL ALCOHOL, VERITAS ULTIMATE
5572	METHYL ETHYL KETONE, VERITAS ULTIMATE
5567	n-HEPTANE, VERITAS ULTIMATE
5328	HEXANES, FOR EPA METHOD 1664A
5568	n-HEXANE, VERITAS ULTIMATE
5574	n-PENTANE, VERITAS ULTIMATE
5575	PETROLEUM ETHER, VERITAS ULTIMATE
5576	TETRAHYDROFURAN, VERITAS ULTIMATE
5577	TOLUENE, VERITAS ULTIMATE
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
Reagent Grade	
849	AMYL ACETATE
5865	ANISOLE
4264	BROMOBENZENE, 99%
5414	2-BUTOXYETHANOL, 99%
5299	1,4-CYCLOHEXANEDIONE, 98%

Solvents Cont.

Item Number	Product Name
2197	CYCLOHEXANE/ISOPROPYL ALCOHOL, AZEOTROPIC SOLUTION
3561	CYCLOPENTANE, TECHNICAL
5989	DECANE
3482	1-DECANOL, 99%
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%
3466	3,3-DIMETHYL-1-BUTANOL, 98%
3107	DIPHENYLMETHANE, 98%
5979	DODECANE
2511	ETHYLENE CARBONATE, REAGENT
3105	1,1-DIPHENYLHEPTANE, 97%
3106	1,1-DIPHENYLHEXANE, 98%
3109	1,1-DIPHENYLPROPANE, 98%
920	ETHYLENE GLYCOL, REAGENT
1682	HEPTANE, REAGENT GRADE
5801	HEXADECANE
4809	1-HEPTANOL, 99%
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%
814	METHYL ALCOHOL
4658	METHYLCYCLOHEXANE, 99%
2992	2-METHYL-2,4-PENTANEDIOL, 99%
5430	1-METHOXY-2-PROPANOL, 99%
3775	N,N-DIMETHYLACETAMIDE, 99%
2350	n-HEXANE-MTBE 80-20 MIXTURE
1087	n-HEXYL ALCOHOL, 98%
1075	n-PENTANE, REAGENT
5787	PENTANE, 99.5%
5475	o-XYLENE, 97%
2751	2,4-PENTANEDIONE, 99%
505	PROPYLENE CARBONATE, 99%

Solvents Cont.

Item Number	Product Name
5477	p-XYLENE, 99%
5244	sec-BUTYL ALCOHOL, 99%
1101	tert-BUTYL ACETATE, 98.0%
5978	TETRADECANE
5190	TRIBUTYL PHOSPHATE, 98+%
5990	UNDECANE
2577	2,2,2-TRIFLUOROETHANOL, 99%

Spectroscopy Grade

829	ACETONE, ACS ULTRAVIOLET SPECTROPHOTOMETRY GRADE
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Titration Solvent Blend

9031	TITRATION SOLVENT FOR ASTM D2896
9032	TITRATION SOLVENT FOR ASTM D4739 SEC 7.15
1281	TITRATION SOLVENT FOR ASTM D664
1282	TITRATION SOLVENT, ALKALINE, FOR ASTM D3227
1896	TITRATION SOLVENT, ACIDIC, FOR ASTM D3227

The logo for GFS Chemicals features the letters "GFS" in a large, bold, blue, sans-serif font, enclosed within a white rectangular border. Below this, the word "CHEMICALS" is written in a smaller, white, sans-serif font, followed by a registered trademark symbol (®).

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2-26-25

