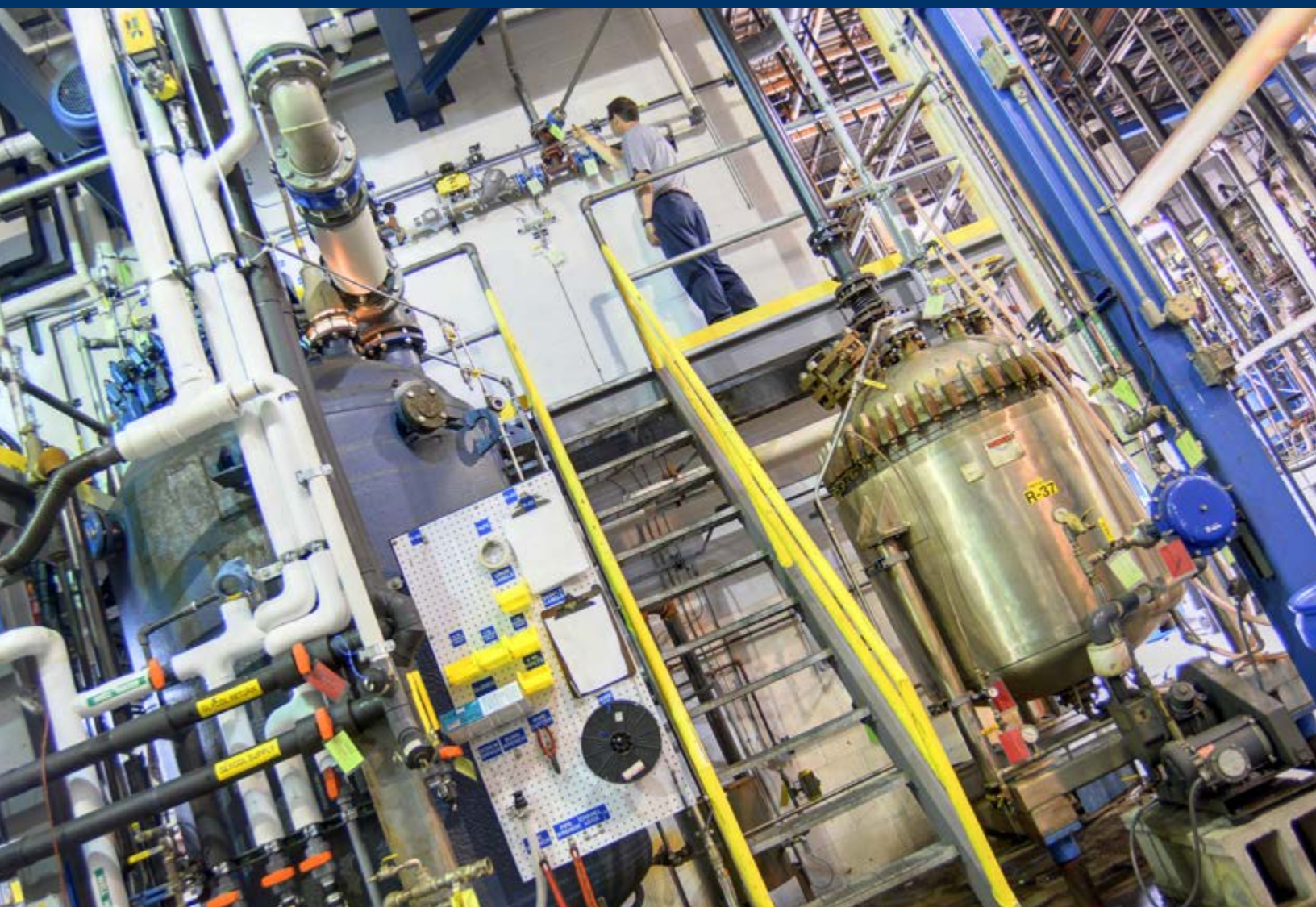


PROPRIETARY & MANUFACTURED CHEMICALS



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Introduction

GFS Chemicals is a Columbus, OH, USA based manufacturer of specialty and fine chemicals serving customers worldwide since 1928. As an ISO 9001-2015 certified manufacturer, GFS' capability to produce specialty alkynes and olefins, pharmaceutical building blocks, trace metal salts and solutions, low moisture/anhydrous salts, and specialty rare earth salts and solutions makes GFS a preferred partner for organizations across an array of industries. GFS' staff works hand-in-hand with customers during the development and commercialization processes of new chemical technologies. From research lab to pilot plant, from production to commercialization, GFS Chemicals is here to give you knowledgeable answers to any of your technical questions

In addition to GFS' proprietary product portfolio of 8000 discrete high-quality products available from small bottles to drum quantities, GFS offers a full range of Karl Fischer reagents, PPT/PPB trace analysis grade acids, turbidity standards, and other high-quality materials for your QA/QC laboratory. GFS' technical staff readily works to understand the challenges its customers face and delivers custom solutions to meet their needs. For more information about GFS Chemicals, visit www.gfschemicals.com or call GFS at (800) 858-9682.

Fine & Specialty Organics

GFS Chemicals is a primary U.S. manufacturer of fine and specialty organic chemicals and is a recognized leader in alkyne chemistry. Its core technology includes the synthesis of and internal and terminal alkynes, alkynols, conjugated diynes and conjugated ene-yne. In addition to its core alkyne products, GFS has expanded its product portfolio to include functionalized amines, internal & terminal Alkynes, unsaturated alcohols, esters, ketones and aldehydes, silyl intermediates, organometallics & Grignards, non-aqueous acids, specialty olefins, halogenated compounds, aromatics & heterocycles. Its state of the art production facility in Columbus, Ohio, is ISO 9001:2015 certified and capable of delivering GFS's unique product offering from gram quantities to metric tons.

GFS provides fine and specialty organics to small research companies & Fortune 500 companies across multiple industries, including the pharmaceuticals, electronics, agrochemicals, and flavors and fragrances segments. GFS delivers when high purity and unique specifications are critical. Commitment to safety allows GFS to manufacture a number of products that very few U.S. manufacturers offer.

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Alkenes

Item Number	Product name	CAS #	Formula Weight	% Purity
Cis Alkenes				
3303	cis-1-PROPENYLBENZENE, 95%	766-90-5	118.17	95
3184	cis-2-HEXENE, 95%	7688-21-3	84.16	95
3404	cis-2-OCTENE, 96%	7642-04-8	112.22	96
3265	cis-2-PENTENE, 96%	627-20-3	70.14	96
3187	cis-3-HEXENE, 97%	7642-09-3	84.16	97
3434	cis-3-OCTENE, 97%	14850-22-7	112.22	97
3237	cis-4-NONENE, 97%	10405-84-2	126.24	97
3254	cis-4-OCTENE, 97%	7642-15-1	112.22	97
3457	cis-5-DECENE, 96%	7433-78-5	140.27	96
Dienes				
3452	1,3,5-TRIMETHYL-1,4-CYCLOHEXADIENE, 98%	4074-23-1	122.22	98
3389	1,4-CYCLOHEXADIENE, 97%	628-41-1	80.13	97
3443	1,9-DECADIENE, 98%	1647-16-1	138.25	98
3211	1-METHYL-1,4-CYCLOHEXADIENE, 97%	4313-57-9	94.16	97
5810	1-METHYL-1,4-CYCLOHEXADIENE, 99%	4313-57-9	94.16	99
5699	1-METHYL-1,4-CYCLOHEXADIENE, 99+%	4313-57-9	94.16	99+
Terminal Alkenes				
3437	1-AMINO-10-UNDECENE, 97%	62595-52-2	169.31	97
5529	1-AMINO-5-HEXENE, 98%	34825-70-2	99.17	98
3157	1-HEPTADECENE, 97%	6765-39-5	238.46	97
3160	1-HEPTENE, 98+%	592-76-7	98.19	98+
3235	1-NONENE, 98%	124-11-8	126.24	98
3262	1-PENTADECENE, 98%	13360-61-7	210.4	98
3318	1-TRIDECENE, 97%	2437-56-1	182.35	97
3366	1-UNDECENE, 97%	821-95-4	154.3	97
3212	2-METHYL-1-HEXENE, 97%	6094-02-6	98.19	97
5502	3-BROMO-2-METHYL-1-PROPENE, 98%	1458-98-6	135	98
5194	3-CYCLOHEXYL-1-PROPENE, 97%	2114-42-3	124.23	97
3153	4-(4-FLUOROPHENYL)-1-BUTENE, 97%	2248-13-7	150.2	97
3280	4-PHENYL-1-BUTENE, 98%	768-56-9	132.21	98
3435	ALLYLCYCLOPENTANE, 98%	3524-75-2	110.2	98
Trans Alkenes				
3161	trans-2-HEPTENE, 98%	14686-13-6	98.19	98
3185	trans-2-HEXENE, 98%	4050-45-7	84.16	98
3252	trans-2-OCTENE, 97%	13389-42-9	112.22	97
3266	trans-2-PENTENE, 99%	646-04-8	70.14	99
3163	trans-3-HEPTENE, 97%	14686-14-7	98.19	97
3188	trans-3-HEXENE, 97%	13269-52-8	84.16	97
3417	trans-3-HEXENE, 99%	13269-52-8	84.16	99
3253	trans-3-OCTENE, 97%	14919-01-8	112.22	97

Alkenes cont.

Item Number	Product name	CAS #	Formula Weight	% Purity
3238	trans-4-NONENE, 96%	10405-85-3	126.24	96
3255	trans-4-OCTENE, 98%	14850-23-8	112.22	98
3073	trans-5-DECENE, 97%	7433-56-9	140.27	97
3405	trans-7-TETRADECENE, 97%	41446-63-3	196.38	97

Alkynes

Item Number	Product name	CAS #	Formula Weight	% Purity
Amides				
3440	N-(3-BUTYNYL)PHTHALIMIDE, 95%	14396-90-8	199.21	95
5510	N-(4-PENTYNYL)PHTHALIMIDE, 97%	6097-07-0	213.23	97
3291	N-(5-HEXYNYL)PHTHALIMIDE, 97%	6097-08-1	227.26	97
3299	N-PROPARGYLOXYPHTHALIMIDE, 98%	4616-63-1	201.18	98
3300	N-PROPARGYLPHTHALIMIDE, 98%	7223-50-9	185.18	98
Diyne				
3104	1,4-DIPHENYLBUTADIYNE, 98%	886-66-8	202.26	98
3101	1,6-DIPHENOXY-2,4-HEXADIYNE, 98%	30980-37-1	262.29	98
3248	1,7-OCTADIYNE, 98%	871-84-1	106.17	98
3234	1,8-NONADIYNE, 98%	2396-65-8	120.2	98
3072	1,9-DECADIYNE, 97%	1720-38-3	134.22	97
3180	2,4-HEXADIYNE, 99%	2809-69-0	78.12	99
3117	3,9-DODECADIYNE, 95%	61827-89-2	162.28	95
3445	5,7-DODECADIYNE	1120-29-2		
3309	5,9-TETRADECADIYNE, 95%	51255-61-9	190.33	95
Esters				
3176	11-HEXADECYNYL ACETATE, 95%	53596-80-8	280.45	95
3497	4-ETHYNYLPHENYL ACETATE, 98%	16141-18-7	160.17	98
3278	4-PENTYN-1-YL ACETATE, 96%	14604-46-7	126.16	96
3386	ETHYL 2-HEXYNOATE, 98%	16205-90-6	140.19	98
5481	ETHYL 6-HEPTYNOATE, 97%	105339-02-4	154.21	97
3134	ETHYL ETHYNYL ETHER, 50% (W/W), In HEXANES	927-80-0	70.09	
3218	METHYL 10,12-PENTACOSADIYNOATE, 98%	120650-77-3	388.61	98
3226	METHYL 10,12-TRICOSADIYNOATE, 97%	145609-79-6	360.57	97
3232	METHYL 10-UNDECYNOATE, 98%	2777-66-4	196.29	98
3909	METHYL 2-HEXYNOATE	18937-79-6	126.16	
3918	METHYL 2-OCTYNOATE, 98%	111-12-6	154.21	98
3926	METHYL 2-PENTYNOATE, 98%	24342-04-9	112.13	98
3215	METHYL 5-HEXYNOATE, 95%	77758-51-1	126.16	95
3225	METHYL PROPIOLATE, 98%	922-67-8	84.07	98
3301	PROPARGYL PROPIONATE, 98%	1932-92-9	112.12	98

Alkynes cont.

Item Number	Product name	CAS #	Formula Weight	% Purity
Internal Alkynes				
5248	1,4-DIMETHOXY-2-BUTYNE, 98%	16356-02-8	114.14	98
3094	1-DIMETHYLAMINO-2-PENTYNE, 98%	7383-77-9	111.19	98
3889	1-METHOXY-1-BUTEN-3-YNE	2798-73-4	82.1	
3942	1-PENTEN-4-YNE, 95%	871-28-3	66.1	95
3037	2-BUTYNYL ALDEHYDE DIETHYL ACETAL, 98%	2806-97-5	142.2	98
3038	2-BUTYNYL-p-TOLUENESULFONATE, 98%	56563-37-2	224.28	98
3194	2-HEXYNE, 98%	764-35-2	82.15	98
3214	2-METHYL-1-HEXEN-3-YNE, 98%	23056-94-2	94.16	98
3905	2-METHYL-3-HEXYNE	36566-80-0	96.17	
3932	2-NONYNE, 98%	19447-29-1	124.23	98
3257	2-OCTYNE, 97%	2809-67-8	110.2	97
3422	2-OCTYNE, 99%	2809-67-8	94.16	99
3271	2-PENTYNE, 98%	627-21-4	68.12	98
3039	3-BUTYNYL-p-TOLUENESULFONATE, 96%	23418-85-1	224.28	96
3426	3-HEXYNE, 96%	928-49-4	82.15	96
3195	3-HEXYNE, 99%	928-49-4	82.15	99
3209	3-METHYL-1-BUTYNE, 96%	598-23-2	68.13	96
3933	3-NONYNE, 98%	20184-89-8	124.23	98
3388	3-OCTYNE, 98%	15232-76-5	110.2	98
3368	3-UNDECYNE, 96%	60212-30-8	152.28	96
3410	4,4-DIMETHYL-2-PENTYNE, 98%	999-78-0	96.18	98
3152	4-ETHYNYLTOLUENE, 97%	766-97-2	116.15	97
3925	4-METHYL-2-PENTYNE, 97%	21020-27-9	82.15	97
3240	4-NONYNE, 98%	20184-91-2	124.23	98
3258	4-OCTYNE, 99%	1942-45-6	110.2	99
3122	6-DODECYNE, 98%	6975-99-1	166.31	98
3897	6-METHYL-3-HEPTYNE, 98%	54050-92-9	110.2	98
3406	7-TETRADECYNE, 97%	35216-11-6	194.36	97
3373	m-DIETHYNYLBENZENE, 98%	1785-61-1	126.15	98
3385	p-DIETHYNYLBENZENE, 98%	935-14-8	126.15	98
Ketones				
3203	3-HEXYN-2-ONE, 97%	1679-36-3	96.13	97
Phenylacetylenes				
3008	1,4-BIS-(PHENYLETHYNYL)BENZENE, 97%	1849-27-0	278.35	97
2933	3-ACETYLPHENYLACETYLENE, 98%	139697-98-6	144.17	98
3490	4-(t-BUTOXY)PHENYLACETYLENE, 98%	32569-86-1	174.24	98
3028	4-(tert-BUTYL)PHENYLACETYLENE, 95%	772-38-3	158.24	95
2935	4-ACETYLPHENYLACETYLENE, 98%	42472-69-5	144.17	98
3102	DIPHENYLACETYLENE, 98%	501-65-5	178.23	98
3279	PHENYLACETYLENE, 98+%	536-74-3	102.14	98+

Alkynes cont.

Item Number	Product name	CAS #	Formula Weight	% Purity
Terminal Alkynes				
3001	(+/-)-ACETALDEHYDE ETHYL PROPARGYL ACETAL, 98%	18669-04-0	128.17	98
3390	1-(DI-n-PROPYLAMINO)-2-PROPYNE, 98%	6323-79-1	139.24	98
3158	1,6-HEPTADIYNE, 97%	2396-63-6	92.14	97
3029	1-BUTYNE, 98%	107-00-6	54.09	98
3075	1-DECYNE, 98%	764-93-2	138.25	98
3120	1-DODECYNE, 98%	765-03-7	166.31	98
5228	1-EICOSYNE, 95%	765-27-5	278.52	95
3424	1-HEPTADECYNE, 97%	26186-00-5	236.44	97
3164	1-HEPTYNE, 98%	628-71-7	96.17	98
3173	1-HEXADECYNE, 90+%	629-74-3	222.42	90+
3193	1-HEXYNE, 98%	693-02-7	82.15	98
3239	1-NONYNE, 99%	3452-09-3	124.23	99
3461	1-OCTADECYNE, 98%	629-89-0	250.47	98
3256	1-OCTYNE, 97%	629-05-0	110.2	97
3425	1-OCTYNE, 99%	629-05-0	110.2	99
3263	1-PENTADECYNE, 98%	765-13-9	208.39	98
3270	1-PENTYNE, 97%	627-19-0	68.12	97
3384	1-PENTYNE, 99%	627-19-0	68.12	99
3400	1-PHENYL-1-BUTYNE, 97%	622-76-4	130.19	97
3955	1-PHENYL-1-NONYNE, 98%	57718-18-0	200.33	98
3286	1-PHENYL-1-PROPYNE, 98%	673-32-5	116.16	98
3311	1-TETRADECYNE, 98%	765-10-6	194.36	98
3367	1-UNDECYNE, 97%	2243-98-3	152.28	97
3030	2-BUTYNE, 98%	503-17-3	54.09	98
3076	2-DECYNE, 96%	2384-70-5	138.25	96
3165	2-HEPTYNE, 98%	1119-65-9	96.17	98
3097	3,3-DIMETHYL-1-BUTYNE, 97%	917-92-0	82.15	97
3395	3-AMINO-3-METHYL-1-BUTYNE, 95%	2978-58-7	83.13	95
3066	3-CYCLOHEXYL-1-PROPYNE, 97%	17715-00-3	122.21	97
3433	3-CYCLOPENTYL-1-PROPYNE, 98%	116279-08-4	108.18	98
3082	3-DIBUTYLAMINO-1-PROPYNE, 98%	6336-58-9	167.3	98
3088	3-DIETHYLAMINO-1-PROPYNE, 98%	4079-68-9	111.19	98
3095	3-DIMETHYLAMINO-1-PROPYNE, 98%	7223-38-3	83.13	98
3166	3-HEPTYNE, 98%	2586-89-2	96.17	98
3421	3-METHYL-1-PENTYNE, 97%	922-59-8	82.15	97
3423	3-PHENYL-1-PROPYNE, 97%	10147-11-2	116.16	97
5535	4-CHLORO-1-BUTYNE, 99%	51908-64-6	88.54	99
3464	4-ETHYNYLANISOLE, 98%	768-60-5	132.16	98
3398	4-METHYL-1-PENTYNE, 98%	7154-75-8	82.15	98

Alkynes cont.

Item Number	Product name	CAS #	Formula Weight	% Purity
3281	4-PHENYL-1-BUTYNE, 97%	16520-62-0	130.19	97
3077	5-DECYNE, 98%	1942-46-7	138.25	98
3093	5-DIMETHYLAMINO-2-METHYL-3-PENTYN-2-OL, 98%	25400-83-3	141.22	98
3907	5-METHYL-1-HEXYNE, 98%	2203-80-7	96.17	98
3284	5-PHENYL-1-PENTYNE, 98%	1823-14-9	144.22	98
3441	CYCLOHEXYLACETYLENE, 95%	931-48-6	108.18	95
3442	CYCLOPENTYLACETYLENE, 90+%	930-51-8	94.16	90+
3294	PROPARGYL ACRYLATE, 98%	10477-47-1	110.11	98
3296	PROPARGYLALDEHYDE DIETHYL ACETAL, 98%	10160-87-9	128.17	98
Other Alkynes				
3408	1-CHLORO-2-PENTYNE, 98%	22592-15-0	102.57	98
3208	2-METHYL-1-BUTEN-3-YNE, 99%	78-80-8	66.1	99
3227	2-METHYL-4-TRIMETHYLSILYL-1-BUTEN-3-YNE, 97%	18387-60-5	138.28	97
5657	2-OCTYNAL, 97%	1846-68-0	124.18	97
9720	3-BUTYNYLAMINE, 97%	14044-63-4	69.11	97
5261	4,4'-DIFLUORODIPHENYLACETYLENE, 98%	5216-31-9	214.21	98
5378	4-ETHYNYLANILINE, 99%	14235-81-5	117.15	99
9722	5-HEXYNYLAMINE, 97%	15252-45-6	97.16	97
3485	TRIBUTYLSTANNYLACETYLENE, 95%	994-89-8	315.07	95

Other Functional Organics Materials

Item Number	Product name	CAS #	Formula Weight	% Purity
Alcohols				
3217	3-METHYL-3-OXETANEMETHANOL, 98%	3143-02-0	102.13	98
Amides				
2559	ACETAMIDE OXIME, 96%	22059-22-9	74.09	96
507	DIPHENYLACETAMIDE	519-87-9	211.27	
Esters				
3129	2,3-EPOXYBUTANE, 98%, cis, trans mixture	3266-23-7	72.11	98
3132	ETHYL 2-BUTYNOATE, 98%	4341-76-8	112.14	98
3136	ETHYL 2-HEPTYNOATE, 98%	16930-95-3	154.21	98
3137	ETHYL 2-OCTYNOATE, 98%	10519-20-7	168.24	98
3139	ETHYL 2-PENTYNOATE, 98%	55314-57-3	126.16	98
3140	ETHYL 3-PHENYLPROPIOLATE, 98%	2216-94-6	174.20	98
3141	ETHYL PROPIOLATE, 98%	623-47-2	98.10	98
3448	METHYL 2-BUTYNOATE, 96%	23326-27-4	98.10	96
3128	trans-2,3-EPOXYBUTANE, 97%	21490-63-1	72.11	97
Nitriles				
2962	2,2-DIISOPROPYLPROPANENITRILE	55897-64-8	139.24	
3371	PENTANENITRILE, 98%	110-59-8	83.15	98

Aromatics & Heterocyclics

Item Number	Product name	CAS #	Formula Wt.	% Purity
Aromatics				
2369	3,3,3',3'-TETRAMETHYL-1,1'-SPIROBISINDANE-5,5',6,6'-TETROL	77-08-7	340.42	
1877	QUINHYDRONE, 97.0%	106-34-3	218.21	97
Heterocyclic Compounds				
5538	2,5-DIMETHYLPYRROLE, 98%	625-84-3	95.14	98
381	4,4'-DICARBOXY-2,2'-BIQUINOLINE	1245-13-2	344.33	
1287	8-HYDROXYQUINOLINE SULFATE, 97%	207386-91-2	203.21	97
1114	BENZOFUROXAN, 98%	480-96-6	136.11	98
Phenanthrolines				
583	1,7-PHENANTHROLINE, 98%	230-46-6	180.22	98
584	4,7-PHENANTHROLINE, 98%	230-07-9	180.22	98
108	BATHOPHENANTHROLINE, 99%	1662-01-7	332.41	99
163	tris-(1,10-PHENANTHROLINE) FERROUS PERCHLORATE	14586-54-0	795.35	
2355	tris-(BATHOPHENANTHROLINE) RUTHENIUM (II) TETRAPHENYLBORON	188187-34-0	1736.78	
Pyridines				
177	2,2',2''-TERPYRIDINE, 98+ %	1148-79-4	233.27	98+
109	2,2'-BIPYRIDINE, 99%, REAGENT (ACS)	366-18-7	156.18	99
5382	2,4,6-TRI(4-PYRIDYL)-1,3,5-TRIAZINE, 98%	42333-78-8	312.33	98
3151	2-ETHYNYLPYRIDINE, 98+%	1945-84-2	103.12	98+
1106	4-(p-NITROBENZYL)-PYRIDINE, REAGENT	1083-48-3	214.23	
128	4,4'-DIMETHYL-2,2'-BIPYRIDINE FERROUS PERCHLORATE	15740-92-8	807.45	
127	4,4'-DIMETHYL-2,2'-BIPYRIDINE, 97%	1134-35-6	184.23	97
5522	4,4'-DINONYL-2,2'-BIPYRIDINE, 98%	142646-58-0	408.66	98
2377	BIS-(2,2',2-TERPYRIDINE) RUTHENIUM (II) CHLORIDE	168922-04-1	638.52	
114	tris-(2,2'-BIPYRIDINE) RUTHENIUM (II) CHLORIDE, HYDRATE	50525-27-4	748.62	

Organometallics & Grignard Reagents

Item Number	Product name	CAS #	Formula Wt	% Purity
Grignard Reagents				
9179	1-PROPYNYLMAGNESIUM BROMIDE, 0.5 M, SOLUTION IN TETRAHYDROFURAN	16466-97-0	143.28	
5204	4-BENZYLOXYPHENYL MAGNESIUM BROMIDE, in TETRAHYDROFURAN	120186-59-6	287.45	
5561	ISOPROPENYLMAGNESIUM BROMIDE, 1.5 M, in METHYL TETRAHYDROFURAN	13291-18-4	145.28	
5291	ISOPROPENYLMAGNESIUM BROMIDE, in TETRAHYDROFURAN	13291-18-4	145.28	
4523	ISOPROPYL MAGNESIUM CHLORIDE, 2 M in TETRAHYDROFURAN	1068-55-9		
5501	n-BUTYLMAGNESIUM CHLORIDE, 2M, in TETRAHYDROFURAN	693-04-9	116.87	
2974	PHENYLMAGNESIUM CHLORIDE, 2 M, in TETRAHYDROFURAN	100-59-4	136.87	
3721	tert-BUTYLMAGNESIUM CHLORIDE, 1 M, in TETRAHYDROFURAN	677-22-5	116.88	
Organometallics				
2776	TRIPHENYLPHOSPHINE, 99%	603-35-0	262.29	99

Halogenated Compounds

Item Number	Product name	CAS #	Formula Weight	% Purity
Organic Bromides				
5560	1-BROMO-1-BUTYNE, 98%	50405-39-5	132.99	98
2379	1-BROMO-2,2-DIMETHYLPROPANE, 98%	630-17-1	151.05	98
3015	1-BROMO-2-BUTYNE, 98%	3355-28-0	132.99	98
3019	1-BROMO-2-OCTYNE, 96%	18495-27-7	189.10	96
3020	1-BROMO-2-PENTYNE, 97%	16400-32-1	147.01	97
5283	2-BROMOPROPENE, 99%	557-93-7	120.98	99
5203	4-BENZYLOXYBROMOBENZENE, 98%	6793-92-6	263.14	98
5318	4-BROMO-1-BUTYNE, 98%	38771-21-0	132.99	98
4737	5-BROMO-1-PENTENE, 97%	1119-51-3	149.04	97
9561	7-BROMO-1-HEPTENE, 96%	4117-09-3	177.08	96
5252	7-BROMO-1-HEPTENE, 98	4117-09-3	177.08	98
5343	8-BROMO-1-OCTENE, 98%	2695-48-9	191.11	98
5310	cis-1-BROMOPROPENE, 98%	590-13-6	120.98	98
Organic Chlorides				
3427	10-UNDECENOYL CHLORIDE	38460-95-6	202.72	
3058	11-CHLORO-1-UNDECENE, 97%	872-17-3	188.74	97
2530	1-CHLORO-2,2-DIMETHYLPROPANE, 98%	753-89-9	106.60	98
3791	1-CHLORO-3-IODOPROPANE, 98%	6940-76-7	204.44	98
3052	1-CHLORO-4-NONYNE, 98%	3416-74-8	158.67	98
3432	1-CHLORO-5-DECYNE, 98%	54377-34-3	172.70	98
3047	1-CHLORO-6-IODOHEXANE, 95%	34683-73-3	246.51	95
3048	3-CHLORO-3-METHYL-1-BUTYNE, 97%	1111-97-3	102.56	97
3558	3-CHLORO-3-METHYLBUTANONE, 97%	5950-19-6	120.58	97
3054	5-CHLORO-1-PENTYNE, 96%, TECHNICAL	14267-92-6	102.57	96
3053	5-CHLORO-1-PENTYNE, 98%	14267-92-6	102.57	98
3045	6-CHLORO-1-HEXENE, 97%	928-89-2	118.61	97
3046	6-CHLORO-1-HEXYNE, 97%	10297-06-0	116.59	97
5300	7-CHLORO-1-HEPTENE, 97%	929-21-5	132.63	97
5344	8-CHLORO-1-OCTENE, 97%	871-90-9	146.66	97
5667	8-CHLORO-1-OCTYNE, 98%	24088-97-9	144.64	98
2718	ALLYL CHLORIDE, 98%	107-05-1	76.53	98
3313	TETRAHYDROFURFURYL CHLORIDE, 96%	3003-84-7	120.58	96
2938	TRICHLOROMELAMINE, 95%	7673-09-8	229.46	95
Organic Iodides				
3839	1,6-DIIODOHEXANE, 97%	629-09-4	337.97	97
2532	1-iodo-2,2-dimethylpropane, 98%	15501-33-4	198.05	98
3467	1-iodo-3,3-dimethylbutane	15672-88-5	212.07	
4811	1-iodo-3-methylbutane, 97%	541-28-6	198.05	97
5225	1-iodo-4-methylpentane, 98%	6196-80-1	212.07	98
3483	1-iododecane, 98%	2050-77-3	268.18	98
3474	1-iodopentane, 98%	628-17-1	198.08	98

Silyl Intermediates

Item Number	Product name	CAS #	Formula Weight	% Purity
5508	(N,N-DIMETHYLAMINO)TRIMETHYLSILANE, 98+%	2083-91-2	117.26	98+
3325	(TRIETHYLSILYL)ACETYLENE, 97%	1777-03-3	140.3	97
3349	1-(TRIMETHYLSILYL)-1-HEXYNE, 98%	3844-94-8	154.33	98
3362	1-(TRIMETHYLSILYL)-1-PROPYNE, 98%	6224-91-5	112.25	98
3350	1-(TRIMETHYLSILYL)IMIDAZOLE, 97%	18156-74-6	140.26	97
3347	1-(TRIMETHYLSILYLETHYNYL)CYCLOHEXENE, 98%	17988-44-2	178.35	98
3014	1,2-BIS-(TRIMETHYLSILOXY)ETHANE, 98%	7381-30-8	206.43	98
3012	1,3-BIS-(TRIMETHYLSILYLETHYNYL)BENZENE, 96%	38170-80-8	270.5	96
3011	1,4-BIS-(TRIMETHYLSILYL)-1,3-BUTADIYNE, 98%	4526-07-2	194.43	98
3013	1,4-BIS-(TRIMETHYLSILYLETHYNYL)BENZENE, 98%	17938-13-5	270.5	98
3469	1-BROMO-4-TRIMETHYLSILYLBENZENE, 97%	6999-03-7	229.20	97
3057	1-CHLORO-5-(TRIMETHYLSILYL)-4-PENTYNE, 98%	77113-48-5	174.75	98
3055	1-CHLORO-5-TRIETHYLSILYL-4-PENTYNE, 97%	174125-30-5	216.83	97
3064	1-CYCLOHEXENYLOXYTRIMETHYLSILANE, 98%	6651-36-1	170.33	98
3096	1-DIMETHYLAMINO-3-(TRIMETHYLSILYL)-2-PROPYNE, 98%	56849-88-8	155.31	98
3289	1-PHENYL-2-TRIMETHYLSILYLACETYLENE, 98%	2170-06-1	174.32	98
3356	1-TRIMETHYLSILYL-1,4-PENTADIYNE, 96%	71789-10-1	136.27	96
3345	1-TRIMETHYLSILYL-3,3-DIMETHYL-1-BUTYNE, 98%	14630-42-3	154.33	98
3353	1-TRIMETHYLSILOXY-3-BUTYNE, 98%	17869-75-9	142.27	98
3346	2-(TRIMETHYLSILYL)ETHANOL, 97%	2916-68-9	118.25	97
3348	2-(TRIMETHYLSILYLETHYNYL)PYRIDINE, 97%	86521-05-3	175.29	97
3228	2-METHYL-4-TRIMETHYLSILYL-3-BUTYN-2-OL, 98%	5272-33-3	156.30	98
3354	2-TRIMETHYLSILOXY-3-BUTYNE, 97%	17869-76-0	142.27	97
3420	3-BROMO-1-TRIMETHYLSILYL-1-PROPYNE, 97%	38002-45-8	191.15	97
3231	3-METHYL-1-TRIMETHYLSILYL-1-PENTYN-3-OL (+/-), 98%	17889-43-9	170.33	98
3229	3-METHYL-3-TRIMETHYLSILOXY-1-BUTYNE, 97%	17869-77-1	156.30	97
3359	3-TRIMETHYLSILYLPROPARGYL ALCOHOL, 98%	5272-36-6	128.25	98
3326	4-(TRIETHYLSILYL)-3-BUTYN-1-OL, 98%	160194-29-6	184.35	98
3342	4-TRIMETHYLSILYL-3-BUTYN-1-OL, 98%	2117-12-6	142.27	98
3343	4-TRIMETHYLSILYL-3-BUTYN-2-OL, (+/-), 98%	6999-19-5	142.27	98
3344	4-TRIMETHYLSILYL-3-BUTYN-2-ONE, 98%	5930-98-3	140.26	98
3358	5-(TRIMETHYLSILYL)-4-PENTYN-1-OL, 98%	13224-84-5	156.30	98
9478	6,13-BIS(TRIISOPROPYLSILYLETHYNYL)PENTACENE	373596-08-8	639.07	
3056	6-CHLORO-1-TRIMETHYLSILOXYHEXANE, 97%	34714-00-6	208.80	97
3010	BIS-(TRIMETHYLSILYL)ACETYLENE, 98%	14630-40-1	170.41	98
3146	ETHYL 3-(TRIMETHYLSILYL)PROPIOLATE, 98	86318-61-8	140.3	98
3338	TRIISOPROPYLSILYL TRIFLUOROMETHANESULFONATE, 97%	80522-42-5	306.42	97
3337	TRIISOPROPYLSILYLACETYLENE, 97%	89343-06-6	182.38	97
3068	TRIMETHYLSILYLETHYNYLCYCLOPROPANE, 96%	81166-84-9	138.28	96
3360	TRIMETHYLSILOXYPROPYNE, 98%	5582-62-7	128.25	98

Specialty Amines

Item Number	Product name	CAS #	Formula Weight	% Purity
3854	DIPROPARGYLAMINE, 97%	6921-28-4	93.13	97
3588	HYDRAZINE, 35% (W/W) AQUEOUS SOLUTION	302-01-2	32.05	
5551	N-(tert-BUTOXYCARBONYL)PROPARGYLAMINE, 98%	92136-39-5	155.19	98
3928	N-METHYLPROPARGYLAMINE, 98%	35161-71-8	69.11	98
2345	PHENYLHYDRAZINE HYDROCHLORIDE, 99%, REAGENT	59-88-1	144.61	99
3959	PROPARGYLAMINE, 99%	2450-71-7	55.08	99
2773	TRIBUTYLAMINE, 98%	102-82-9	185.36	98
3969	TRIPROPARGYLAMINE, 98%	6921-29-5	131.18	98

Unsaturated Alcohols

Item Number	Product name	CAS #	Formula Weight	% Purity
3033	2-BUTYN-1-OL, 98%	764-01-2	70.09	98
3034	3-BUTYN-1-OL, 98%	927-74-2	70.09	98
3035	(+/-)-3-BUTYN-2-OL, 98%	2028-63-9	70.09	98
3069	4,6-DECADIYN-1,10-DIOL, 97%	70283-74-8	166.21	97
3078	2-DECYN-1-OL, 97%	4117-14-0	154.25	97
3079	3-DECYN-1-OL, 98%	51721-39-2	154.25	98
3080	5-DECYN-1-OL, 96%	68274-97-5	154.25	96
3087	4-DIETHYLAMINO-2-BUTYN-1-OL, 98%	10575-25-4	141.21	98
3100	2,7-DIMETHYL-3,5-OCTADIYN-2,7-DIOL, 96%	5929-72-6	166.22	96
3110	1,1-DIPHENYL-2-PROPYN-1-OL, 97%	3923-52-2	208.26	97
3115	5,7-DODECADIYN-1,12-DIOL, 95%	74602-32-7	194.26	95
3125	5,7-EICOSADIYN-1-OL, 97%	174063-93-5	290.49	97
3149	1-ETHYNYL-1-CYCLOPENTANOL, 98+%	17356-19-3	110.16	98+
3150	9-ETHYNYL-9-FLUORENOL, 97%	13461-74-0	206.25	97
3168	1-HEPTYN-3-OL, 98%	7383-19-9	112.17	98
3169	2-HEPTYN-1-OL, 98%	1002-36-4	112.17	98
3170	3-HEPTYN-1-OL, 98%	14916-79-1	112.17	98
3171	4-HEPTYN-2-OL, 97%	19781-81-8	112.17	97
3174	7-HEXADECYN-1-OL, 97%	822-21-9	238.40	97
3178	2,4-HEXADIYN-1,6-DIOL, 97%	3031-68-3	110.11	97
3190	cis-3-HEXEN-1-OL, 98%	928-96-1	100.16	98
3198	1-HEXYN-3-OL, 98%	105-31-7	98.15	98
3199	2-HEXYN-1-OL, 97%	764-60-3	98.15	98
3200	3-HEXYN-1-OL, 98%	1002-28-4	98.15	98
3202	5-HEXYN-1-OL, 97%	928-90-5	98.15	97
3204	3-ETHYNYLPHENOL, 95%	10401-11-3	118.14	95
3216	2-METHYL-5-OCTYN-4-OL, 98%	60657-70-7	140.22	98
3222	3-METHYL-1-PENTYN-3-OL, 98+%	77-75-8	98.15	98+

Unsaturated Alcohols cont.

Item Number	Product name	CAS #	Formula Weight	% Purity
3223	4-METHYL-1-PENTYN-3-OL, 98%	565-68-4	98.15	98
3242	2-NONYN-1-OL, 98%	5921-73-3	140.23	98
3243	3-NONYN-1-OL, 98%	31333-13-8	140.23	98
3249	3,5-OCTADIYN-1,8-DIOL, 96%	15808-23-8	138.17	96
3259	2-OCTYN-1-OL, 98%	20739-58-6	126.20	98
3260	3-OCTYN-1-OL, 98%	14916-80-4	126.20	98
3269	4-PENTEN-1-OL, 98%	821-09-0	86.13	98
3274	2-PENTYN-1-OL, 98%	6261-22-9	84.12	98
3275	3-PENTYN-1-OL, 98%	10229-10-4	84.12	98
3276	4-PENTYN-1-OL, 98%	5390-04-5	84.12	98
3277	(+/-)-4-PENTYN-2-OL, 98%	2117-11-5	84.12	98
3282	2-PHENYL-3-BUTYN-2-OL, 99%	127-66-2	146.19	99
3283	4-PHENYL-2-METHYL-3-BUTYN-2-OL, 98%	1719-19-3	160.22	98
3287	1-PHENYL-2-PROPYN-1-OL, 98%	4187-87-5	132.16	98
3288	3-PHENYL-2-PROPYN-1-OL, 98+%	1504-58-1	132.16	98+
3312	7-TETRADECYN-6,9-DIOL, 95%	174064-00-7	226.36	95
3364	1,1,3-TRIPHENYLPROPARGYL ALCOHOL, 99%	1522-13-0	284.36	99
3370	10-UNDECYN-1-OL, 97%	2774-84-7	168.28	97
3379	2-METHYL-3-HEXYN-2-OL, 98%	5075-33-2	112.17	98
3391	4-HEXYN-3-OL, 98%	20739-59-7	98.15	98
3392	5-HEXYN-3-OL, 98%	19780-84-8	98.15	98
3394	5-HEPTYN-3-OL, 98%	19781-82-9	112.17	98
3399	PROPARGYL ALCOHOL TETRAHYDRO-2H-PYRAN ETHER, 98%	6089-04-9	140.18	98
3447	3-HEXYN-1,6-DIOL, 97%	85655-98-7	114.15	97
3449	3-METHYL-1-PENTEN-4-YN-3-OL, 98%	3230-69-1	96.13	98
3456	1-OCTEN-4-OL, 98%	40575-42-6	128.21	98
3459	trans-5-TRIMETHYLSILYL-2-PENTEN-4-YN-1-OL	97514-97-1	154.28	
3807	3-BUTEN-1-OL, 98%	627-27-0	72.11	98
3841	6,6-DIMETHYL-1-HEPTEN-4-YN-3-OL, 98%	78629-20-6	138.21	98
3880	4-HEPTYN-3-OL, 97%	32398-69-9	112.17	97
3927	2-METHYL-3-PENTYN-2-OL, 99%	590-38-5	98.15	99
3937	1-OCTYN-3-OL, 97%	818-72-4	126.20	97
3961	cis-9-TETRADECEN-1-OL	35153-15-2	208.33	
3966	2-TRIDECYN-1-OL, 97%	51887-25-3	196.33	97
5517	7-OCTYN-1-OL, 97%	871-91-0	126.20	97
5542	cis-2-BUTEN-1-OL, 96%	4088-60-2	72.11	96
5589	2-BUTYN-1-OL TETRAHYDRO-2H-PYRAN ETHER	39637-48-4	154.20	

Inorganic Compounds

GFS is a leading manufacturer of a wide range of inorganic chemicals, specializing in low moisture and low trace metal grade materials. We offer a variety of high purity salts and solutions of alkali metals, alkaline earth compounds, perchlorates, heavy metals, rare earths, transition metals, silver/precious metals, and triflates. We serve a diverse set of industry segments including electronics, automotive, pharmaceuticals, material sciences, and battery and power storage.

GFS Chemicals can offer customized specifications on nearly any product and can scale up from lab and pilot scale to full-scale production using our extensive plant capabilities, with equipment ranging from 15 gallons to 2,000-gallon capacity. Our in-house analytical laboratory facilities help provide quality assurance and offer unparalleled testing accuracy. With in-house ICP-OES capabilities, our technical staff is able to quantify trace metal impurities accurately on every batch. Every batch manufactured at GFS is thoroughly tested to ensure it meets our guaranteed specifications.

Ammonium Compounds

Item #	Product name	CAS #	Formula Wt	% Purity
5003	AMMONIUM CHLORIDE, 99.999%	12125-02-9	53.49	99.999
601	AMMONIUM IODATE, REAGENT	13446-09-8	192.94	99.999
646	AMMONIUM NITRATE, REAGENT	6484-52-2	80.04	
5127	AMMONIUM NITRATE, 99.999%	6484-52-2	80.04	99.999
715	AMMONIUM OXALATE	6009-70-7	142.11	
3	AMMONIUM PERCHLORATE, REAGENT	7790-98-9	117.50	
847	AMMONIUM SULFAMATE	7773-06-0	114.11	
3520	AMMONIUM TRIFLUOROMETHANESULFONATE, 99%	38542-94-8	167.11	99
3773	HYDROXYLAMMONIUM SULFATE, 99.999%	10039-54-0	164.15	
2432	TETRABUTYLAMMONIUM CHLORIDE, 1.0 M AQUEOUS	1112-67-0	277.92	
2433	TETRABUTYLAMMONIUM DIHYDROGEN PHOSPHATE	5574-97-0	339.46	
394	TETRABUTYLAMMONIUM PERCHLORATE, REAGENT	1923-70-2	341.93	98
2518	TETRABUTYLAMMONIUM TRIFLUOROMETHANESULFONATE	35895-70-6	391.54	
1514	TETRAETHYLAMMONIUM CHLORIDE, MONOHYDRATE, 98%	68696-18-4	183.72	
2439	TETRAETHYLAMMONIUM HYDROXIDE, 1.0 M, AQUEOUS SOLUTION	77-98-5	147.26	
2440	TETRAETHYLAMMONIUM IODIDE	68-05-3	257.16	
511	TETRAETHYLAMMONIUM PERCHLORATE	2567-83-1	229.71	
366	TETRAHEXYLAMMONIUM IODIDE, REAGENT	2138-24-1	481.67	
512	TETRAHEXYLAMMONIUM PERCHLORATE	4656-81-9	454.14	
2275	TETRAMETHYLAMMONIUM HYDROXIDE, SOLUTION, 1.0 Mol/L in WATER, REAGENT (ACS)	75-59-2	91.15	
2443	TETRAMETHYLAMMONIUM IODIDE	75-58-1	201.05	
510	TETRAMETHYLAMMONIUM PERCHLORATE	2537-36-2	173.60	
2525	TETRAMETHYLAMMONIUM SILICATE, 18%, AQUEOUS SOLUTION	53116-81-7	211.32	
596	TRIMETHYLAMMONIUM PERCHLORATE, REAGENT	15576-35-9	159.57	

Alkaline Earth Compounds

Item Number	Product name	CAS #	Formula Weight	% Purity
A0705	BARIUM BROMIDE, REAGENT	7791-28-8	333.17	
602	BARIUM CHLORIDE, ACS REAGENT	10326-27-9	244.28	
5	BARIUM IODATE, REAGENT	7787-34-0	505.15	
7	BARIUM PERCHLORATE, ANHYDROUS	13465-95-7	336.23	
8	BARIUM PERCHLORATE, TRIHYDRATE, REAGENT	10294-39-0	390.28	
3484	BARIUM TRIFLUOROACETATE, 99%	60884-92-6	363.58	99
3521	BARIUM TRIFLUOROMETHANESULFONATE, 98%	2794-60-7	435.48	98
521	CALCIUM IODATE, REAGENT	7789-80-2	389.90	
779	CALCIUM NITRATE, ACS REAGENT	13477-34-4	236.16	
12	CALCIUM PERCHLORATE, HYDRATED, REAGENT	15627-86-8	311.06	
522	CALCIUM PERIODATE, REAGENT	77353-51-6	640.11	
3522	CALCIUM TRIFLUOROMETHANESULFONATE	55120-75-7	338.22	
1447	MAGNESIUM BROMIDE, HEXAHYDRATE	13446-53-2	292.20	
54	MAGNESIUM PERCHLORATE, ANHYDROUS, REAGENT (ACS)	10034-81-8	223.23	
55	MAGNESIUM PERCHLORATE, ANHYDROUS, REAGENT (ACS)	10034-81-8	223.23	
56	MAGNESIUM PERCHLORATE, HYDRATED, REAGENT	13446-19-0	331.33	
589	MAGNESIUM PERCHLORATE, SOLUTION	13446-19-0		
3535	MAGNESIUM TRIFLUOROMETHANESULFONATE	60871-83-2	322.45	
807	STRONTIUM CHLORIDE HEXAHYDRATE, ACS REAGENT	10025-70-4	266.62	
572	STRONTIUM CHROMATE, REAGENT	7789-06-2	203.61	
808	STRONTIUM NITRATE, ACS REAGENT	10042-76-9	211.63	
5168	STRONTIUM PERCHLORATE, ANHYDROUS, REAGENT	13450-97-0	286.52	
96	STRONTIUM PERCHLORATE, TRIHYDRATE, REAGENT	15650-09-6	340.57	
A7680	STRONTIUM SULFATE, REAGENT	7759-02-6	183.69	

Lithium & Akali Metal Compounds

Item Number	Product name	CAS #	Formula Weight	% Purity
886	CESIUM CHLORIDE, REAGENT	7647-17-8	168.36	99.9
A1741	CESIUM NITRATE, 99.9%	7789-18-6	194.91	
887	CESIUM NITRATE, REAGENT	7789-18-6	194.91	
341	CESIUM PERCHLORATE, REAGENT	13454-84-7	232.37	
2540	DIPOTASSIUM PHTHALATE, 98%	4409-98-7	242.32	99.8
303	LITHIUM ACETATE, DIHYDRATE, REAGENT	6108-17-4	102.01	
A4305	LITHIUM CARBONATE, 99.99%	554-13-2	73.89	
5034	LITHIUM CARBONATE, 99.999%	554-13-2	73.89	99.9
2297	LITHIUM CARBONATE, HIGH PURITY, OPTICAL GRADE	554-13-2	73.89	
1432	LITHIUM CITRATE, REAGENT	6080-58-6	281.99	
1433	LITHIUM FORMATE, REAGENT	6108-23-2	69.98	
3121	LITHIUM HYDROXIDE, ANHYDROUS, REAGENT	1310-65-2	23.94	

Lithium & Alkali Metal Compounds cont.

Item Number	Product name	CAS #	Formula Weight	% Purity
3651	LITHIUM HYDROXIDE, MONOHYDRATE	1310-66-3	41.96	
395	LITHIUM IODATE, REAGENT	13765-03-2	181.85	
2595	LITHIUM IODIDE, ANHYDROUS	10377-51-2	133.84	
940	LITHIUM IODIDE, REAGENT	7790-22-9	187.89	
304	LITHIUM METABORATE, ANHYDROUS, REAGENT	13453-69-5	49.76	
611	LITHIUM NITRATE, REAGENT	7790-69-4	68.95	
1917	LITHIUM PERCHLORATE, ANHYDROUS, BIO-REFINED	7791-03-9	106.40	
221	LITHIUM PERCHLORATE, ANHYDROUS, REAGENT (ACS)	7791-03-9	106.40	
2574	LITHIUM PERCHLORATE, ANHYDROUS, SPECIAL REAGENT (ACS)	7791-03-9	106.40	
233	LITHIUM PERCHLORATE, BATTERY GRADE	7791-03-9	106.40	
53	LITHIUM PERCHLORATE, TRIHYDRATE, (ACS) REAGENT	13453-78-6	164.50	
315	LITHIUM PERIODATE, REAGENT	21111-84-2	233.89	99.99
2972	LITHIUM PHOSPHATE, TRIBASIC	10377-52-3	115.79	99.9
6121	LITHIUM SULFATE, ANHYDROUS	10377-48-7	109.93	
819	LITHIUM TETRABORATE, 99.9%	12007-60-2	169.12	
2533	LITHIUM TRIFLUOROMETHANESULFONATE	33454-82-9	156.01	
987	POTASSIUM CHLORATE, ACS REAGENT	3811-04-9	122.55	
2578	POTASSIUM CITRATE, MONOBASIC, DIHYDRATE, REAGENT	866-83-1	266.25	
2263	POTASSIUM CITRATE, MONOBASIC, REAGENT	866-83-1	230.22	98
554	POTASSIUM HYDROGEN PHTHALATE ACIDIMETRIC STANDARD, ACS REAGENT	877-24-7	204.23	
996	POTASSIUM OXALATE MONOHYDRATE, ACS REAGENT	6487-48-5	184.24	
297	POTASSIUM PERCHLORATE, 100 MESH, REAGENT (ACS)	7778-74-7	138.55	
373	POTASSIUM PERCHLORATE, COMMERCIAL	7778-74-7	138.55	
80	POTASSIUM PERCHLORATE, REAGENT (ACS)	7778-74-7	138.55	
5084	POTASSIUM PERIODATE, 99.99%	7790-21-8	230.00	
593	POTASSIUM PERIODATE, COMMERCIAL	7790-21-8	230.00	
81	POTASSIUM PERIODATE, REAGENT (ACS)	7790-21-8	230.00	
1486	RUBIDIUM CHLORIDE, 99.9%	7791-11-9	120.92	
1015	RUBIDIUM CHLORIDE, REAGENT	7791-11-9	120.92	
1016	RUBIDIUM NITRATE, 99.8%	13126-12-0	147.48	99.99
340	RUBIDIUM PERCHLORATE, REAGENT	13510-42-4	184.94	
1017	RUBIDIUM SULFATE, REAGENT	7488-54-2	267.00	
7050	SODIUM CARBONATE, ANHYDROUS, 99.99%	497-19-8	105.99	99.999
1029	SODIUM CHLORATE, ACS REAGENT	7775-09-9	106.44	
89	SODIUM IODATE, REAGENT	7681-55-2	197.92	
93	SODIUM META PERIODATE, REAGENT (ACS)	7790-28-5	213.89	
658	SODIUM NITRATE, ACS REAGENT	7631-99-4	84.99	
559	SODIUM NITRITE, ACS REAGENT	7632-00-0	69.00	
1099	SODIUM OXALATE, REAGENT (ACS)	62-76-0	134.00	
659	SODIUM PARA PERIODATE, COMMERCIAL	13940-38-0	293.89	99.999
94	SODIUM PARA PERIODATE, REAGENT	13940-38-0	293.89	99.99

Lithium & Alkali Metal Compounds cont.

Item Number	Product name	CAS #	Formula Weight	% Purity
91	SODIUM PERCHLORATE, ANHYDROUS, REAGENT (ACS)	7601-89-0	122.46	
9201	SODIUM PERCHLORATE, MONOHYDRATE, (ACS), HPLC	7791-07-3	140.48	
92	SODIUM PERCHLORATE, MONOHYDRATE, REAGENT (ACS)	7791-07-3	140.48	
3230	SODIUM PERCHLORATE, SOLUTION, 60%	7601-89-0	122.46	
A7230	SODIUM PHOSPHATE, MONOBASIC, MONOHYDRATE, 99.999%	10049-21-5	137.99	
805	SODIUM TARTRATE DIHYDRATE, ACS REAGENT	6106-24-7	230.08	
1692	SODIUM TETRABORATE, ANHYDROUS, REAGENT	1330-43-4	201.22	
3543	SODIUM TRIFLUOROMETHANESULFONATE, 98%	2926-30-9	172.06	98

Rare Earth Compounds

Item #	Product name	CAS #	Formula Weight	% Purity
13	CERIC AMMONIUM NITRATE, ACS REAGENT	16774-21-3	548.23	
768	CERIC AMMONIUM NITRATE, COMMERCIAL	16774-21-3	548.23	
7683	CERIC AMMONIUM NITRATE, ELECTRONICS GRADE	16774-21-3	548.23	
2909	CERIC AMMONIUM NITRATE, SUPERIOR REAGENT (ACS)	16774-21-3	548.23	
16	CERIC AMMONIUM SULFATE, DIHYDRATE, REAGENT (ACS)	10378-47-9	632.58	
17	CERIC HYDROXIDE, REAGENT	12014-56-1	208.16	
1575	CERIC NITRATE, 1.5 N SOLUTION	13093-17-9	514.18	
2206	CERIC SULFATE, 99.99%	17106-39-7	528.43	99.99
24	CERIC SULFATE, REAGENT	17106-39-7	528.43	
2258	CERIC SULFATE, TETRAHYDRATE	10294-42-5	404.33	
2201	CEROUS ACETATE, 99.99%	17829-82-2	344.28	99.99
27	CEROUS AMMONIUM NITRATE, HYDRATED, REAGENT	13083-04-0	558.29	
2902	CEROUS CHLORIDE, ANHYDROUS	7790-86-5	246.47	
29	CEROUS CHLORIDE, HEPTAHYDRATE, REAGENT	18618-55-8	372.61	
A1635	CEROUS CHLORIDE, HYDRATED, 99.9%	18618-55-8	372.61	99.9
2202	CEROUS CHLORIDE, HYDRATED, 99.99%	18618-55-8	372.61	99.99
A1653	CEROUS NITRATE, HYDRATED, 99.9%	10294-41-4	434.25	99.9
2203	CEROUS NITRATE, HYDRATED, 99.99%	10294-41-4	434.25	99.99
30	CEROUS NITRATE, HYDRATED, REAGENT	10294-41-4	434.25	
A1659	CEROUS OXALATE, 99%	6003-86-7	706.44	99
2264	CEROUS OXALATE, 99.9%	6003-86-7	706.44	99.9
2205	CEROUS OXALATE, 99.99%	6003-86-7	706.44	99.99
3740	CEROUS PERCHLORATE, CRYSTALLINE HYDRATE	14017-47-1	492.36	
32	CEROUS PERCHLORATE, HYDRATED, REAGENT	14017-47-1	546.57	
33	CEROUS SULFATE, HYDRATED, REAGENT	10450-59-6	712.55	
3523	CEROUS TRIFLUOROMETHANESULFONATE, HYDRATED	206996-62-5	587.33	
A2796	DYSPROSIUM ACETATE, 99.9%	15280-55-4	411.70	99.9
3563	DYSPROSIUM CHLORIDE, HEXAHYDRATE, 99.9%	15059-52-6	376.96	99.9
2209	DYSPROSIUM CHLORIDE, HEXAHYDRATE, 99.99%	15059-52-6	376.96	99.99

Rare Earth Compounds cont.

Item #	Product name	CAS #	Formula Weight	% Purity
2207	DYSPROSIUM NITRATE, 99.9%	10031-49-9	438.60	99.9
2210	DYSPROSIUM NITRATE, 99.99%	10031-49-9	438.60	99.99
A2826	DYSPROSIUM NITRATE, 99.999%	10031-49-9	438.60	99.999
A2829	DYSPROSIUM OXALATE, 99%	867-62-9	769.23	99
3817	DYSPROSIUM OXALATE, 99.9%	867-62-9	769.23	99.9
3830	DYSPROSIUM PERCHLORATE, CRYSTALLINE HYDRATE	14017-53-9	460.86	
523	DYSPROSIUM PERCHLORATE, HYDRATED, SOLUTION, REAGENT	14692-17-2	568.95	
A2856	ERBIUM ACETATE, TETRAHYDRATE, 99.9%	15280-57-6	416.46	99.9
A2871	ERBIUM CHLORIDE, 99.9%, HEXAHYDRATE	10025-75-9	381.72	99.9
2214	ERBIUM CHLORIDE, 99.99%, HEXAHYDRATE	10025-75-9	381.72	99.99
A2889	ERBIUM NITRATE, PENTAHYDRATE, 99.9%	10031-51-3	443.36	99.9
2213	ERBIUM NITRATE, PENTAHYDRATE, 99.99%	10031-51-3	443.36	99.99
A2895	ERBIUM OXALATE, 99.9%	30618-31-6	778.75	99.9
524	ERBIUM PERCHLORATE, HYDRATED, SOLUTION, REAGENT	14692-15-0	573.70	
A2913	ERBIUM PHOSPHATE, 99.9%	14298-38-5		99.9
3477	ERBIUM TRIFLUOROACETATE	70236-99-6	506.31	
3527	ERBIUM TRIFLUOROMETHANESULFONATE, 98%	139177-64-3	614.47	98
A3018	EUROPIUM ACETATE, 99.9%	62667-64-5		99.9
A3039	EUROPIUM CHLORIDE, HEXAHYDRATE 99.9%	13759-92-7	366.41	99.9
A3066	EUROPIUM NITRATE, 99.9%	10031-53-5	446.08	99.9
3577	EUROPIUM NITRATE, 99.99%	10031-53-5	446.08	99.99
A3075	EUROPIUM OXALATE, 99.9%	3269-12-3		99.9
637	EUROPIUM PERCHLORATE, HYDRATED, SOLUTION, REAGENT	13537-22-9	558.41	
3528	EUROPIUM TRIFLUOROMETHANESULFONATE, 98%	52093-25-1	599.17	98
A3159	GADOLINIUM ACETATE, 99.9%	15280-53-2	406.45	99.9
1402	GADOLINIUM BROMIDE, 99.9%	30010-20-9	396.96	99.9
3975	GADOLINIUM CHLORIDE, 99.9%, ANHYDROUS	10138-52-0	263.61	99.9
A3186	GADOLINIUM CHLORIDE, HEXAHYDRATE, 99.9%	13450-84-5	371.70	99.9
A3189	GADOLINIUM CHLORIDE, HEXAHYDRATE, 99.99%	13450-84-5	371.70	99.99
A3213	GADOLINIUM NITRATE, HEXAHYDRATE, 99.9%	19598-90-4	451.37	99.9
2216	GADOLINIUM NITRATE, HEXAHYDRATE, 99.99%	19598-90-4	451.37	99.99
A3219	GADOLINIUM OXALATE, 99.9%	867-64-1	758.73	99.9
3977	GADOLINIUM PERCHLORATE, CRYSTALLINE HYDRATE	14017-52-8	455.54	
525	GADOLINIUM PERCHLORATE, HYDRATED, SOLUTION, REAGENT	14017-52-8	563.71	
3529	GADOLINIUM TRIFLUOROMETHANESULFONATE, 98%	52093-29-5	604.46	98
5910	GFS ETCHANT FORMULA 10			
5912	GFS ETCHANT FORMULA 12			
5913	GFS ETCHANT FORMULA 13			
1250	HOLMIUM ACETATE, 99.9%	25519-09-9	414.13	99.9
3981	HOLMIUM CHLORIDE, ANHYDROUS, 99.9%	10138-62-2	271.29	99.9
1252	HOLMIUM CHLORIDE, HEXAHYDRATE, 99.9%	14914-84-2	379.38	99.9
3982	HOLMIUM CHLORIDE, HEXAHYDRATE, 99.99%	14914-84-2	379.38	99.99

Rare Earth Compounds cont.

Item #	Product name	CAS #	Formula Weight	% Purity
A3588	HOLMIUM NITRATE, HEXAHYDRATE, 99.9%	35725-31-6	459.05	99.9
1253	HOLMIUM OXALATE, 99.9%	3269-15-6	774.09	99.9
526	HOLMIUM PERCHLORATE, HYDRATED, SOLUTION, REAGENT	14017-54-0	571.38	
1254	HOLMIUM SULFATE, 99.9%	15622-40-9		99.9
A4014	LANTHANUM ACETATE, HYDRATED, 99.9%	25721-92-0	343.07	99.9
2218	LANTHANUM CHLORIDE, HEPTAHYDRATE, 99.9%	10025-84-0	371.37	99.9
A4042	LANTHANUM CHLORIDE, HEPTAHYDRATE, 99.99%	10025-84-0	371.37	99.99
A4043	LANTHANUM CHLORIDE, HEPTAHYDRATE, 99.999%	10025-84-0	371.37	99.999
634	LANTHANUM CHLORIDE, HEPTAHYDRATE, REAGENT (ACS)	10025-84-0	371.37	
A4065	LANTHANUM NITRATE, HEXAHYDRATE, 99.9%	10277-43-7	433.03	99.9
A4068	LANTHANUM NITRATE, HEXAHYDRATE, 99.99%	10277-43-7	433.03	99.99
A4069	LANTHANUM NITRATE, HEXAHYDRATE, 99.999%	10277-43-7	433.03	99.999
633	LANTHANUM NITRATE, HEXAHYDRATE, REAGENT	10277-43-7	433.03	
A4074	LANTHANUM OXALATE, 99.99%	6451-21-4	704.02	99.99
5139	LANTHANUM PERCHLORATE, CRYSTALLINE HYDRATE	14017-46-0	491.39	
527	LANTHANUM PERCHLORATE, HYDRATED, REAGENT	36907-37-6	545.36	
3478	LANTHANUM TRIFLUOROACETATE	70236-92-9	477.95	
3532	LANTHANUM TRIFLUOROMETHANESULFONATE, ANHYDROUS	52093-26-2	586.12	
3533	LANTHANUM TRIFLUOROMETHANESULFONATE, HYDRATED	34629-21-5	586.12	
5144	LUTETIUM CHLORIDE, 99.9%, ANHYDROUS	10099-66-8	281.33	99.9
A4521	LUTETIUM CHLORIDE, 99.9%, HEXAHYDRATE	15230-79-2	389.42	99.9
5145	LUTETIUM NITRATE, 99.9% HEXAHYDRATE	36549-50-5	469.08	99.9
A4539	LUTETIUM NITRATE, 99.99%, HEXAHYDRATE	36549-50-5	469.08	99.99
639	LUTETIUM PERCHLORATE, HYDRATED, 50% SOLUTION	14646-29-8	581.42	
3534	LUTETIUM TRIFLUOROMETHANESULFONATE, 97%	126857-69-0	622.18	97
A5190	NEODYMIUM ACETATE, 99.9%	6192-13-8	339.39	99.9
5151	NEODYMIUM CHLORIDE, 99.9%, ANHYDROUS	10024-93-8	250.60	99.9
A5208	NEODYMIUM CHLORIDE, 99.9%, HEXAHYDRATE	13477-89-9	358.70	99.9
2221	NEODYMIUM CHLORIDE, 99.99%, HEXAHYDRATE	13477-89-9	358.70	99.99
A5232	NEODYMIUM NITRATE, 99.9%	16454-60-7	438.36	99.9
2222	NEODYMIUM NITRATE, 99.99%	16454-60-7	438.36	99.99
A5241	NEODYMIUM OXALATE, 99%	14551-74-7	732.71	99
A5242	NEODYMIUM OXALATE, 99.9%	14551-74-7	732.71	99.9
5153	NEODYMIUM PERCHLORATE, CRYSTALLINE HYDRATE	13498-06-1	442.53	
528	NEODYMIUM PERCHLORATE, HYDRATED, 50% SOLUTION, REAGENT	17522-69-9	550.69	
3536	NEODYMIUM TRIFLUOROMETHANESULFONATE, 98%	34622-08-7	591.45	98
A6333	PRASEODYMIUM ACETATE, 99%	14431-99-3	372.09	99
2225	PRASEODYMIUM ACETATE, 99.9%	14431-99-3	372.09	99.9
5157	PRASEODYMIUM CHLORIDE, 99.9%, ANHYDROUS	10361-79-2	247.27	99.9
A6348	PRASEODYMIUM CHLORIDE, 99.9%, HEPTAHYDRATE	10025-90-8	373.38	99.9
2229	PRASEODYMIUM CHLORIDE, 99.99%, HEPTAHYDRATE	10025-90-8	373.38	99.99
A6351	PRASEODYMIUM CHLORIDE, 99.999%, HEPTAHYDRATE	10025-90-8	373.38	99.999

Rare Earth Compounds cont.

Item #	Product name	CAS #	Formula Weight	% Purity
A6378	PRASEODYMIUM NITRATE, 99.9%	15878-77-0	435.02	99.9
2230	PRASEODYMIUM NITRATE, 99.99%	15878-77-0	435.02	99.99
A6387	PRASEODYMIUM OXALATE, 99%	24992-60-7	726.04	99
2227	PRASEODYMIUM OXALATE, 99.9%	24992-60-7	726.04	99.9
2231	PRASEODYMIUM OXALATE, 99.99%	24992-60-7	726.04	99.99
A6393	PRASEODYMIUM OXALATE, 99.999%	24992-60-7	726.04	99.999
529	PRASEODYMIUM PERCHLORATE, HYDRATED, 50% SOLUTION, REAGENT	13498-07-2	547.36	
A6417	PRASEODYMIUM SULFATE, 99.999%	10277-44-8	714.14	99.999
A6672	SAMARIUM ACETATE, 99.9%	10465-27-7	381.55	99.9
A6690	SAMARIUM CHLORIDE HEXAHYDRATE, 99.9%	13465-55-9	364.82	99.9
2236	SAMARIUM CHLORIDE HEXAHYDRATE, 99.99%	13465-55-9	364.82	99.99
1489	SAMARIUM CHLORIDE, ANHYDROUS 99.9%	10361-82-7	256.73	99.9
A6714	SAMARIUM NITRATE, 99.9%	13759-83-6	444.48	99.9
2237	SAMARIUM NITRATE, 99.99%	13759-83-6	444.48	99.99
A6720	SAMARIUM OXALATE, 99%	3252-68-4	744.95	99
2235	SAMARIUM OXALATE, 99.9%	3252-68-4	744.95	99.9
530	SAMARIUM PERCHLORATE, HYDRATED, 50% SOLUTION, REAGENT	13569-60-3	556.80	
3539	SAMARIUM TRIFLUOROMETHANESULFONATE, 98%	52093-28-4	597.56	98
5161	SCANDIUM ACETATE, 99.99%, HYDRATE	3804-23-7	222.09	99.99
5164	SCANDIUM CHLORIDE, ANHYDROUS, 99.9%	10361-84-9	151.32	99.9
3581	SCANDIUM CHLORIDE, HEXAHYDRATE, 99.9%	20662-14-0	259.41	99.9
5165	SCANDIUM CHLORIDE, HEXAHYDRATE, 99.99%	20662-14-0	259.41	99.99
3582	SCANDIUM NITRATE, HYDRATE, 99.9%	115906-70-2	230.97	99.9
5166	SCANDIUM NITRATE, HYDRATE, 99.99%	115906-70-2	230.97	99.99
518	SCANDIUM PERCHLORATE, HYDRATED, 50% SOLUTION, REAGENT	14066-05-8	451.42	
3540	SCANDIUM TRIFLUOROMETHANESULFONATE, 99%	144026-79-9	492.16	99
A7854	TERBIUM ACETATE, TETRAHYDRATE, 99.9%	25519-07-7	408.13	99.9
5171	TERBIUM CHLORIDE, 99.9%, ANHYDROUS	10042-88-3	265.28	99.9
A7866	TERBIUM CHLORIDE, HEXAHYDRATE, 99.9%	13798-24-8	373.38	99.9
5172	TERBIUM CHLORIDE, HEXAHYDRATE, 99.99%	13798-24-8	373.38	99.99
A7884	TERBIUM NITRATE, HEXAHYDRATE, 99.9%	13451-19-9	453.04	99.9
5173	TERBIUM NITRATE, HEXAHYDRATE, 99.99%	13451-19-9	453.04	99.99
A7893	TERBIUM OXALATE, 99.9%	996-33-8	581.92	99.9
641	TERBIUM PERCHLORATE, HYDRATED, 50% SOLUTION, REAGENT	14014-09-6	565.37	
3545	TERBIUM TRIFLUOROMETHANESULFONATE, 97%	148980-31-8	606.13	97
2241	THULIUM CHLORIDE, 99.9%	10025-92-0	401.40	99.9
2244	THULIUM NITRATE, 99.99%	36548-87-5	445.04	99.99
2242	THULIUM OXALATE, 99.9%	3269-17-8	601.93	99.9
643	THULIUM PERCHLORATE, HYDRATED, 50% SOLUTION, REAGENT	14014-10-9	575.38	
3546	THULIUM TRIFLUOROMETHANESULFONATE, 97%	141478-68-4	616.14	97
3584	YTTERBIUM ACETATE, HYDRATE, 99.9%	15280-58-7	350.17	99.9
A9102	YTTERBIUM CHLORIDE, HEXAHYDRATE, 99.9%	10035-01-5	387.50	99.9

Rare Earth Compounds cont.

Item #	Product name	CAS #	Formula Weight	% Purity
2246	YTTERBIUM CHLORIDE, HEXAHYDRATE, 99.99%	10035-01-5	387.50	99.99
2485	YTTERBIUM NITRATE, PENTAHYDRATE, 99.9%	35725-34-9	449.13	99.9
2247	YTTERBIUM NITRATE, PENTAHYDRATE, 99.99%	35725-34-9	449.13	99.99
A9135	YTTERBIUM OXALATE, 99%	996-34-9	790.31	99
A9138	YTTERBIUM OXALATE, 99.9%	996-34-9	790.31	99.9
531	YTTERBIUM PERCHLORATE, HYDRATED, 50% SOLUTION, REAGENT	13498-08-3	579.49	
3498	YTTERBIUM TRIFLUOROACETATE	87863-62-5	512.09	
3547	YTTERBIUM TRIFLUOROMETHANESULFONATE, ANHYDROUS	54761-04-5	620.25	
3548	YTTERBIUM TRIFLUOROMETHANESULFONATE, HYDRATED	252976-51-5	620.25	
2970	YTTRIUM ACETATE, TETRAHYDRATE, 99.9%	85949-60-6	338.11	99.9
5178	YTTRIUM ACETATE, TETRAHYDRATE, 99.99%	85949-60-6	338.11	99.99
A9204	YTTRIUM CHLORIDE, 99%	10025-94-2	303.36	99
2486	YTTRIUM CHLORIDE, 99.9%	10025-94-2	303.36	99.9
2249	YTTRIUM CHLORIDE, 99.99%	10025-94-2	303.36	99.99
2453	YTTRIUM NITRATE, 99.9%, 50% SOLUTION	13494-98-9	383.02	99.9
1216	YTTRIUM NITRATE, HEXAHYDRATE, 99.9%	13494-98-9	383.02	99.9
2250	YTTRIUM NITRATE, HEXAHYDRATE, 99.99%	13494-98-9	383.02	99.99
A9232	YTTRIUM NITRATE, HEXAHYDRATE, 99.999%	13494-98-9	383.02	99.999
A9240	YTTRIUM OXALATE, 99.95%	13266-82-5	604.02	99.95
2251	YTTRIUM OXALATE, 99.99%	13266-82-5	604.02	99.99
1222	YTTRIUM OXALATE, REAGENT	13266-82-5	604.02	
5183	YTTRIUM PERCHLORATE, CRYSTALLINE HYDRATE	14017-56-2	388.2	
532	YTTRIUM PERCHLORATE, HYDRATED, 50% SOLUTION, REAGENT	14017-56-2	495.37	
3480	YTTRIUM TRIFLUOROACETATE	304851-95-4	427.95	
3549	YTTRIUM TRIFLUOROMETHANESULFONATE, 97%	52093-30-8	536.11	97

Heavy Metal Compounds

Item #	Product name	CAS #	Formula Weight	% Purity
867	CADMIUM ACETATE, DIHYDRATE, REAGENT	5743-04-4	266.52	
A1320	CADMIUM BROMIDE, TETRAHYDRATE, REAGENT	13464-92-1	344.27	
868	CADMIUM CHLORIDE, ANHYDROUS, REAGENT (ACS)	10108-64-2	183.32	
869	CADMIUM CHLORIDE, HYDRATED, REAGENT (ACS)	7790-78-5	228.35	
870	CADMIUM IODIDE, REAGENT	7790-80-9	366.22	
871	CADMIUM NITRATE, TETRAHYDRATE, REAGENT (ACS)	10022-68-1	308.48	
3722	CADMIUM PERCHLORATE, DEHYDRATED, REAGENT	13760-37-7	347.36	
265	CADMIUM PERCHLORATE, HEXAHYDRATE, REAGENT	10326-28-0	419.42	
873	CADMIUM SULFATE, ANHYDROUS, REAGENT (ACS)	10124-36-4	208.47	
1150	CADMIUM SULFATE, HYDRATED, REAGENT (ACS)	7790-84-3	769.52	
1697	CADMIUM, METAL, 20-60 MESH, GRANULAR	7440-43-9	112.41	
3787	CADMIUM, POWDER, -60 MESH	7440-43-9	112.41	

Heavy Metal Compounds cont.

Item #	Product name	CAS #	Formula Weight	% Purity
3614	CUPRIC CHLORIDE, ANHYDROUS	7447-39-4	134.45	
901	CUPRIC NITRATE, HYDRATE, REAGENT (ACS)	19004-19-4	232.59	
3794	CUPRIC PERCHLORATE, DEHYDRATED, REAGENT	13770-18-8	334.51	
38	CUPRIC PERCHLORATE, HYDRATED, REAGENT	10294-46-9	370.55	
903	CUPRIC SULFATE, ANHYDROUS, REAGENT	7758-98-7	159.61	
904	CUPROUS CHLORIDE, REAGENT (ACS)	7758-89-6	98.99	
3613	CUPROUS IODIDE	7681-65-4	190.44	
1073P	LEAD CHLORIDE, PURIFIED	7758-95-4	278.10	
938	LEAD CHROMATE, REAGENT (ACS)	7758-97-6	323.18	
A4179	LEAD NITRATE, 99.5%	10099-74-8	331.20	99.5
607	LEAD NITRATE, REAGENT (ACS)	10099-74-8	331.20	
50	LEAD PERCHLORATE, SATURATED SOLUTION, REAGENT	13637-76-8	406.10	
49	LEAD PERCHLORATE, TRIHYDRATE, REAGENT (ACS)	13453-62-8	460.15	
1166	LEAD SULFATE, REAGENT	7446-14-2	303.25	
950	MERCURIC BROMIDE, REAGENT (ACS)	7789-47-1	360.40	
952	MERCURIC IODIDE, RED, REAGENT (ACS)	7774-29-0	454.40	
5045	MERCURIC NITRATE, MONOHYDRATE, 99.999%	7783-34-8	342.62	99.999
613	MERCURIC NITRATE, MONOHYDRATE, REAGENT (ACS)	7783-34-8	342.62	
60	MERCURIC PERCHLORATE, TRIHYDRATE, REAGENT	73491-34-6	453.54	
2338	MERCURIC SULFATE SOLUTION, FOR DIGESTION			
614	MERCURIC SULFATE, REAGENT (ACS)	7783-35-9	296.65	
957	MERCUROUS NITRATE, DIHYDRATE, REAGENT	14836-60-3	561.22	
971	NICKEL AMMONIUM SULFATE, REAGENT	7785-20-8	395.00	
A5317	NICKEL BROMIDE	7789-49-3	272.55	
5316	NICKEL CHLORIDE, HEXAHYDRATE, REAGENT (ACS)	7791-20-0	237.72	
973	NICKEL NITRATE, HEXAHYDRATE, REAGENT	13478-00-7	290.81	
5317	NICKEL NITRATE, HEXAHYDRATE, REAGENT (ACS)	13478-00-7	290.81	
2547	NICKEL OXALATE, 99.9%	547-67-1	182.74	99.9
5155	NICKEL PERCHLORATE, DEHYDRATED, REAGENT	13637-71-3	311.70	
62	NICKEL PERCHLORATE, HEXAHYDRATE, REAGENT	13520-61-1	365.70	
697	NICKEL SULFATE HEXAHYDRATE, ACS REAGENT	10101-97-0	262.84	
562	STANNOUS CHLORIDE, DIHYDRATE, REAGENT (ACS)	10025-69-1	225.63	
101	ZINC, AMALGAMATED	52374-36-4		

Transition Metal Compounds

Item #	Product name	CAS #	Formula Weight	% Purity
3718	ALUMINUM PERCHLORATE, DEHYDRATED, REAGENT	14452-39-2	379.48	
2	ALUMINUM PERCHLORATE, HYDRATED, REAGENT	81029-06-3	487.48	
863	BISMUTH CHLORIDE, ACS REAGENT	7787-60-2	315.34	
864	BISMUTH NITRATE PENTAHYDRATE, ACS REAGENT	10035-06-0	485.07	
A1020	BISMUTHYL CHLORIDE, 99.99%	7787-59-9	260.43	99.99

Transition Metal Compounds cont.

Item #	Product name	CAS #	Formula Weight	% Purity
357	BISMUTHYL PERCHLORATE MONOHYDRATE, REAGENT	54509-78-3	342.47	
5365	COBALT AMMONIUM SULFATE HEXAHYDRATE	13586-38-4	395.23	
3481	COBALT BROMIDE, HEXAHYDRATE	13762-12-4	326.83	
A2019	COBALT CHLORIDE, ANHYDROUS, 99%	7646-79-9	129.84	99
3793	COBALT PERCHLORATE, DEHYDRATED, REAGENT	13455-31-7	293.95	
36	COBALT PERCHLORATE, HEXAHYDRATE, REAGENT	13478-33-6	365.95	
3624	COBALT THIOCYANATE, ANHYDROUS	3017-60-5	175.10	
603	CUPRIC CHLORIDE DIHYDRATE, ACS REAGENT	10125-13-0	170.48	
3524	CUPRIC TRIFLUOROMETHANESULFONATE, 98%	34946-82-2	361.68	98
666	CUPRIETHYLENEDIAMINE, 1 M SOLUTION	14552-35-3	217.76	
40	FERRIC PERCHLORATE, HYDRATED, NON-YELLOW, REAGENT	55144-08-6	462.32	
39	FERRIC PERCHLORATE, HYDRATED, YELLOW, REAGENT	55144-08-6	462.32	
42	FERROUS PERCHLORATE, HYDRATED, REAGENT	13520-69-9	362.86	
5367	HEXAAMMINECOBALT (III) CHLORIDE	10534-89-1	267.48	
1170	MANGANESE NITRATE SOLUTION, 50%, REAGENT	10377-66-9	178.95	
2334	MANGANESE OXALATE, DIHYDRATE	6556-16-7	178.99	
57	MANGANESE PERCHLORATE, HYDRATED, REAGENT	15364-94-0	361.94	
290	SODIUM COBALTINITRIDE	13600-98-1	403.93	
1672	SODIUM MOLYBDATE, ANHYDROUS, REAGENT	7631-95-0	205.91	
1061	ZINC NITRATE HEXAHYDRATE	10196-18-6	297.48	
5184	ZINC PERCHLORATE, DEHYDRATED, REAGENT	13637-61-1	336.35	
102	ZINC PERCHLORATE, HEXAHYDRATE, REAGENT	10025-64-6	372.38	
2995	ZINC PHOSPHATE, MONOBASIC, 50% SOLUTION	13598-37-3	259.37	
3550	ZINC TRIFLUOROMETHANESULFONATE, 98%	54010-75-2	363.51	98
280	ZIRCONYL PERCHLORATE, HYDRATED, REAGENT	12205-73-1	450.26	

Silver & Precious Metal Compounds

Item #	Product name	CAS #	Formula Weight	% Purity
615	SILVER ACETATE, PURIFIED	563-63-3	166.91	
616	SILVER BROMIDE, PURIFIED	7785-23-1	187.78	
617	SILVER CARBONATE, REAGENT	534-16-7	275.75	
703	SILVER CHLORIDE, REAGENT	7783-90-6	143.32	
84	SILVER IODATE, REAGENT	7783-97-3	282.80	
1190	SILVER IODIDE, REAGENT	7783-96-2	234.77	
378	SILVER NITRATE	7761-88-8	169.89	
3630	SILVER NITRITE	7783-99-5	153.88	
86	SILVER PERCHLORATE, ANHYDROUS, REAGENT	7783-93-9	207.34	
5089	SILVER PERCHLORATE, HYDRATED, 99.999%	14242-05-8	225.33	99.999
87	SILVER PERCHLORATE, HYDRATED, REAGENT	14242-05-8	225.33	
618	SILVER SULFATE, ACS REAGENT	10294-26-5	311.80	
5217	SILVER TRIFLUOROACETATE, 98%	2966-50-9	220.88	98

Analytical Reagents & Solutions

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, Karl Fisher Reagents, Biochemical tested materials and other common laboratory reagents...GFS has you covered.

ACS Reagents

Item #	Product name	CAS #	Formula Weight
833	ALUMINUM AMMONIUM SULFATE, DODECAHYDRATE, REAGENT (ACS)	7784-26-1	453.33
835	ALUMINUM CHLORIDE, HEXAHYDRATE, REAGENT	7784-13-6	241.43
2343	AMMONIUM BENZOATE, REAGENT (ACS)	1863-63-4	139.16
6451	AMMONIUM CHLORIDE, LOW NITRATE, REAGENT (ACS)	12125-02-9	53.49
646	AMMONIUM NITRATE, REAGENT (ACS)	6484-52-2	80.04
715	AMMONIUM OXALATE, REAGENT (ACS)	6009-70-7	142.11
847	AMMONIUM SULFAMATE, REAGENT (ACS)	7773-06-0	114.11
848	AMMONIUM TARTRATE, REAGENT	3164-29-2	184.15
602	BARIUM CHLORIDE, DIHYDRATE, REAGENT (ACS)	10326-27-9	244.28
859	BARIUM SULFATE, REAGENT	7727-43-7	233.40
864	BISMUTH NITRATE, PENTAHYDRATE, REAGENT (ACS)	10035-06-0	485.07
13	CERIC AMMONIUM NITRATE, REAGENT (ACS)	16774-21-3	548.23
5485	HYDROXYLAMMONIUM SULFATE, REAGENT (ACS)	10039-54-0	164.15
609	LITHIUM CARBONATE, REAGENT (ACS)	554-13-2	73.89
610	LITHIUM METABORATE, ANHYDROUS, REAGENT (ACS)	13453-69-5	49.76
612	LITHIUM SULFATE, MONOHYDRATE, REAGENT (ACS)	10102-25-7	127.95
697	NICKEL SULFATE, HEXAHYDRATE, REAGENT (ACS)	10101-97-0	262.84
1178	POTASSIUM BITARTRATE, REAGENT (ACS)	868-14-4	188.18
987	POTASSIUM CHLORATE, REAGENT (ACS)	3811-04-9	122.55
794	POTASSIUM NITRITE, REAGENT (ACS)	7758-09-0	85.10
996	POTASSIUM OXALATE, MONOHYDRATE, REAGENT (ACS)	6487-48-5	184.24
618	SILVER SULFATE, REAGENT (ACS)	10294-26-5	311.80
1029	SODIUM CHLORATE, REAGENT (ACS)	7775-09-9	106.44
290	SODIUM COBALTINITRITE, REAGENT (ACS)	13600-98-1	403.93
619	SODIUM FORMATE, REAGENT (ACS)	141-53-7	68.01
6581	SODIUM NITRATE, LOW CHLORIDE	7631-99-4	84.99
658	SODIUM NITRATE, REAGENT (ACS)	7631-99-4	84.99
559	SODIUM NITRITE, REAGENT (ACS)	7632-00-0	69.00
805	SODIUM TARTRATE, DIHYDRATE, REAGENT (ACS)	6106-24-7	230.08
806	SODIUM TETRABORATE, DECAHYDRATE, REAGENT (ACS)	1303-96-4	381.37
807	STRONTIUM CHLORIDE, HEXAHYDRATE, REAGENT (ACS)	10025-70-4	266.62
808	STRONTIUM NITRATE, REAGENT (ACS)	10042-76-9	211.63

ACS/Reagent Grade Acids

Item #	Product name	CAS #	Formula Weight
Acetic acid			
1685	ACETIC ACID SOLUTION, 84%, REAGENT	64-19-7	60.05
2004	ACETIC ACID SOLUTION, 20% V/V	64-19-7	60.05
2005	ACETIC ACID SOLUTION, 30% V/V	64-19-7	60.05
2006	ACETIC ACID SOLUTION, 70%	64-19-7	60.05
2583	ACETIC ACID, SUPERIOR REAGENT (ACS)	64-19-7	60.05
Hydrochloric Acid			
2586	HYDROCHLORIC ACID, 37%, SUPERIOR REAGENT (ACS)	7647-01-0	36.46
Nitric Acid			
626	NITRIC ACID, REAGENT (ACS)	7697-37-2	63.01
2587	NITRIC ACID, SUPERIOR REAGENT (ACS)	7697-37-2	63.01
5734	NITRIC ACID, GFS SELECT TRACE GRADE, MEETS ACS SPECIFICATIONS	7697-37-2	63.01
Perchloric Acid			
2478	PERCHLORIC ACID, 40% REAGENT	7601-90-3	100.46
6601	PERCHLORIC ACID, 50%, REAGENT (ACS)	7601-90-3	100.46
2967	PERCHLORIC ACID, 60% SUPERIOR REAGENT (ACS)	7601-90-3	100.46
69	PERCHLORIC ACID, 60%, REAGENT (ACS)	7601-90-3	100.46
68	PERCHLORIC ACID, 68-72%, TECHNICAL	7601-90-3	100.46
67	PERCHLORIC ACID, 70% REDISTILLED	7601-90-3	100.46
2477	PERCHLORIC ACID, 70% SUPERIOR REAGENT (ACS)	7601-90-3	100.46
66	PERCHLORIC ACID, 70%, REAGENT (ACS)	7601-90-3	100.46
2513	PERCHLORIC ACID, 70%+	7601-90-3	100.46
65	PERCHLORIC ACID, CONSTANT BOILING, 73.60% HClO ₄	7601-90-3	136.50
Phosphoric Acid			
1589	PHOSPHORIC ACID, 85%, SUPERIOR REAGENT (ACS)	7664-38-2	98.00
Sulfuric Acid			
1264	SULFURIC ACID, REAGENT, FOR BABCOCK TEST	7664-93-9	98.09
1565	SULFURIC ACID, 70%, REAGENT	7664-93-9	98.09
1977	SULFURIC ACID, SOLUTION, 18 N	7664-93-9	98.09
2588	SULFURIC ACID, SUPERIOR REAGENT (ACS)	7664-93-9	98.09
2158	SULFURIC ACID, SOLUTION, 5.00 N	7664-93-9	98.09
9005	SULFURIC ACID, SOLUTION, 6 N	7664-93-9	98.09
44	IODIC ACID, REAGENT (ACS)	7782-68-5	175.91
Other ACS/Reagent Grade Acids			
2039	BORIC ACID SOLUTION, 5% W/V	10043-35-3	61.83
1332	BORIC ACID, REAGENT (ACS), POWDER	10043-35-3	61.83
2048	CITRIC ACID SOLUTION, 10% W/V	77-92-9	192.13
2585	FORMIC ACID, 88%, SUPERIOR REAGENT (ACS)	64-18-6	46.03
44	IODIC ACID, ACS REAGENT	7782-68-5	175.91
2091	OXALIC ACID SOLUTION, 10% W/V	6153-56-6	126.07
652	OXALIC ACID DIHYDRATE, ACS REAGENT	6153-56-6	126.07

ACS/Reagent Grade Acids cont.

Item #	Product name	CAS #	Formula Weight
2450	OXALIC ACID ANHYDROUS	144-62-7	90.04
1277	OXALIC ACID DIHYDRATE, HIGH PURITY	6153-56-6	126.07
74	PERIODIC ACID, REAGENT (ACS)	10450-60-9	227.96
7402	PERIODIC ACID, SOLUTION, 50%	10450-60-9	227.96
98	SULFAMIC ACID, CERTIFIED, PRIMARY STANDARD	5329-14-6	97.10
1109	SULFUROUS ACID, 6%, REAGENT (ACS)	7782-99-2	82.08
2983	TRIFLUOROACETIC ACID, BIO-REFINED	76-05-1	114.02

Organic Acids

Item #	Product name	CAS #	Formula Weight	% Purity
Anhydrides				
2450	OXALIC ACID, ANHYDROUS, 98%	144-62-7	90.04	98
700	PHTHALIC ANHYDRIDE, REAGENT (ACS)	85-44-9	148.12	
5588	4-(PHENYLETHYNYL)PHTHALIC ANHYDRIDE, 98%	119389-05-8	248.24	98
Other Organic Acids				
652	OXALIC ACID, DIHYDRATE, REAGENT (ACS)	6153-56-6	126.07	
1277	OXALIC ACID, DIHYDRATE, HIGH PURITY	6153-56-6	126.07	
3032	2-BUTYNOIC ACID, 98%	590-93-2	84.07	98
3113	10,12-DOCOSADIYNEOIC ACID, 98%	28393-02-4	362.49	98
3124	5,7-EICOSADIYNOIC ACID, 97%	69288-29-5	304.48	97
3155	4,6-HEPTADECADIYNOIC ACID, 98%	84975-52-0	262.39	98
3167	6-HEPTYNOIC ACID, 98%	30964-00-2	126.16	98
3196	2-HEXYNOIC ACID, 96%	764-33-0	112.13	96
3197	5-HEXYNOIC ACID, 96%	53293-00-8	112.13	96
3205	14-HYDROXY-10,12-TETRADECADIYNOIC ACID, 97%	86840-72-4	236.31	97
3233	6,8-NONADECADIYNOIC ACID, 98%	174063-97-9	290.45	98
3245	5,7-OCTADECADIYNOIC ACID, 97%	136667-54-4	276.42	97
3246	10,12-OCTADECADIYNOIC ACID, 95%	7333-25-7	276.42	95
3261	10,12-PENTACOSADIYNOIC ACID, 98%	66990-32-7	374.61	98
3272	2-PENTYNOIC ACID, 98%	5963-77-9	98.10	98
3316	10,12-TRICOSADIYNOIC ACID, 97%	66990-30-5	346.55	97
3407	5,7-HEXADECADIYNOIC ACID, 98%	28393-01-3	248.37	98
3409	5,7-TETRADECADIYNOIC ACID, 98%	140654-92-8	220.32	98
3446	10,12-HEPTACOSADIYNOIC ACID, 98%	67071-94-7	402.66	98
1588	CITRIC ACID, ANHYDROUS, LOW METALS GRADE	77-92-9	192.13	
3455	5-HEXENOIC ACID, 98%	1577-22-6	114.14	98
3472	6,8-HENEICOSADIYNOIC ACID, 98%	174063-94-6	318.50	98
3858	4,6-DODECADIYNOIC ACID, 97%	100256-61-9	192.25	97
9277	10,12-HENEICOSADIYNOIC ACID, 98%	28393-00-2	318.50	98

Trace Metal Grade Acids

Item #	Product name	CAS #	Formula Weight	Grade
Acetic Acid				
546	ACETIC ACID, VERITAS REDISTILLED	64-19-7	60.05	Low PPB
1261	ACETIC ACID, VERITAS DOUBLE DISTILLED	64-19-7	60.05	Low PPT
2589	ACETIC ACID, ENVIRONMENTAL GRADE	64-19-7	60.05	
Formic Acid				
1262	FORMIC ACID, 88%, VERITAS DOUBLE DISTILLED	64-18-6	46.03	Low PPT
2591	FORMIC ACID, 88%, ENVIRONMENTAL GRADE	64-18-6	46.03	
Hydrochloric Acid				
504	HYDROCHLORIC ACID, 6 MOLAR, VERITAS REDISTILLED	7647-01-0	36.46	Low PPB
2542	HYDROCHLORIC ACID, 6 M, ENVIRONMENTAL GRADE	7647-01-0	36.46	
2592	HYDROCHLORIC ACID, 30-38%, ENVIRONMENTAL GRADE	7647-01-0	36.46	
Nitric Acid				
63	NITRIC ACID, REDISTILLED	7697-37-2	63.01	Low PPB
621	NITRIC ACID, VERITAS DOUBLE DISTILLED	7697-37-2	63.01	Low PPT
2543	NITRIC ACID, 70%, ENVIRONMENTAL GRADE	7697-37-2	63.01	
Perchloric Acid				
67	PERCHLORIC ACID, 70%, VERITAS REDISTILLED	7601-90-3	100.46	Low PPB
230	PERCHLORIC ACID, 70%, VERITAS DOUBLE DISTILLED	7601-90-3	100.46	Low PPT
2593	PERCHLORIC ACID, 70%, ENVIRONMENTAL GRADE	7601-90-3	100.46	
Phosphoric Acid				
5453	PHOSPHORIC ACID, 99.999%, 85% SOLUTION	7664-38-2	98.00	
Sulfuric Acid				
273	SULFURIC ACID, VERITAS DOUBLE DISTILLED from VYCOR	7664-93-9	98.09	Low PPT
2594	SULFURIC ACID, ENVIRONMENTAL GRADE	7664-93-9	98.09	
Other Trace Metal Acids				
2448	HYDROGEN PEROXIDE, 99.999%, 30-32% IN WATER	7722-84-1	34.02	
5359	PERIODIC ACID, 99.99+%	10450-60-9	227.96	

Bases

Item #	Product name	CAS #	Formula Weight
9782	AMMONIUM HYDROXIDE SOLUTION, 6 N	1336-21-6	35.05
2590	AMMONIUM HYDROXIDE, ENVIRONMENTAL GRADE	1336-21-6	35.05
2584	AMMONIUM HYDROXIDE, SUPERIOR REAGENT (ACS)	1336-21-6	35.05
2129	SODIUM HYDROXIDE SOLUTION, 25% W/W	1310-73-2	40
5609	SODIUM HYDROXIDE SOLUTION, 40% W/W	1310-73-2	40
2131	SODIUM HYDROXIDE SOLUTION, 50% W/W, REAGENT GRADE	1310-73-2	40
1579	SODIUM HYDROXIDE, SOLUTION, 10 N	1310-73-2	40
1551	SODIUM HYDROXIDE, SOLUTION, 5 N	1310-73-2	40
2262	TETRABUTYLAMMONIUM HYDROXIDE, 4 M AQUEOUS, ELECTROMETRIC GRADE	2052-49-5	259.48
2984	TETRABUTYLAMMONIUM HYDROXIDE, 40% AQUEOUS SOLUTION	2052-49-5	259.48
2520	TETRAETHYLAMMONIUM HYDROXIDE, 20%, AQUEOUS SOLUTION	77-98-5	147.26
2528	TETRAPROPYLAMMONIUM HYDROXIDE, 1 M, AQUEOUS SOLUTION	4499-86-9	203.37

Non-Aqueous Acids

Item #	Product name	CAS #	Formula Weight
2474	HYDROGEN CHLORIDE, 5-6 N, in ISOPROPYL ALCOHOL	7647-01-0	36.46
5586	HYDROGEN CHLORIDE, 4M IN DIOXANE	7647-01-0	36.46
5618	HYDROGEN CHLORIDE, 3N, in METHYL ALCOHOL	7647-01-0	36.46
5653	HYDROGEN CHLORIDE, 2.5M in DENATURED ETHANOL	7647-01-0	36.46
5674	HYDROGEN CHLORIDE, 3 N, in ETHYL ACETATE	7647-01-0	36.46
71	PERCHLORIC ACID SOLUTION, 1 N IN ACETIC ACID	7601-90-3	100.46

Dyes, Stains & Indicators

Item #	Product name	CAS #	Formula Weight
2093	1-(2-PYRIDYLAZO)-2-NAPHTHOL SOLUTION, 1%, In ETHYL ALCOHOL	85-85-8	249.26
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	720.02
9352	BROMCRESOL GREEN-METHYL RED MIXED INDICATOR SOLUTION in ETHYL ALCOHOL		
2041	BROMCRESOL PURPLE SOLUTION, 0.04% AQUEOUS	62625-30-3	562.22
2042	BROMPHENOL BLUE SOLUTION, 1% AQUEOUS	34725-61-6	691.97
2043	BROMTHYMOL BLUE SOLUTION, 0.04% AQUEOUS	34722-90-2	646.39
2045	CALMAGITE SOLUTION, 1% AQUEOUS	3147-14-6	358.38
5552	DICHLOROFLUORESCEIN SOLUTION, 1% in REAGENT ALCOHOL	76-54-0	401.20
2061	DIPHENYLAMINE INDICATOR, SOLUTION, 3% AQUEOUS	122-39-4	169.22
2065	FERRIC AMMONIUM SULFATE, SOLUTION	7783-83-7	482.20
2083	METHYL ORANGE SOLUTION, 0.05% AQUEOUS	547-58-0	327.34
2085	METHYL RED SOLUTION, 1% AQUEOUS	845-10-3	291.29
2081	METHYLENE BLUE SOLUTION, 0.05% AQUEOUS	7220-79-3	373.91
2089	o-NITROPHENOL SOLUTION, 3% AQUEOUS	88-75-5	139.11
2095	PHENOL RED SOLUTION, 0.04% AQUEOUS	34487-61-1	376.36
2094	PHENOLPHTHALEIN SOLUTION, 0.08%	77-09-8	318.33
726	PHENOLPHTHALEIN SOLUTION, 1%	77-09-8	318.33
2098	POTASSIUM CHROMATE, 63% W/V, INDICATOR SOLUTION	7789-00-6	194.20
1180	POTASSIUM CHROMATE, SOLUTION, 5%	7789-00-6	194.20
2161	THYMOL BLUE, SOLUTION, 0.04% AQUEOUS	62625-21-2	488.58
2170	XYLENOL ORANGE SOLUTION, 10% AQUEOUS	3618-43-7	760.6

Volumetric Solutions

Item #	Product name
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

Volumetric Solutions cont.

Item #	Product name
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
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

Volumetric Solutions cont.

Item #	Product name
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
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

Volumetric Solutions cont.

Item #	Product name
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
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

Volumetric Solutions cont.

Item #	Product name
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
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 cont.

Item #	Product name
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

Conductivity Standards

Item #	Product name
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

Karl Fischer Reagents & Standards

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.

Karl Fischer Volumetric Reagents

Item #	Product name
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

Item #	Product name
1615	WATERMARK KARL FISCHER BUFFER SOLUTION

Coulometric Karl Fischer Reagents

Item #	Product name
1607	WATERMARK KARL FISCHER COULOMETRIC VESSEL SOLUTION, CFC FREE
1619	WATERMARK KARL FISCHER COULOMETRIC VESSEL SOLUTION, FOR KETONES AND ALDEHYDES
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

Item #	Product name
2196	WATERMARK KARL FISCHER WATER STANDARD, 0.10 mg/ml
1618	WATERMARK KARL FISCHER WATER STANDARD, 1.0 mg/ml
5707	WATERMARK KARL FISCHER WATER STANDARD, 2.0 mg/mL
1617	WATERMARK KARL FISCHER WATER STANDARD, 5.0 mg/ml
2311	WATERMARK KARL FISCHER WATER STANDARD, 0.05 mg/g (50 ppm)
3493	WATERMARK KARL FISCHER WATER STANDARD, 0.50 mg/g
2301	WATERMARK KARL FISCHER WATER STANDARD, 0.10 mg/g
2302	WATERMARK KARL FISCHER WATER STANDARD, 1.0 mg/g
2304	WATERMARK KARL FISCHER WATER STANDARD, 5.0 mg/g
2303	WATERMARK KARL FISCHER WATER STANDARD, 10 mg/g
2385	WATERMARK KARL FISCHER WATER STANDARD, POTASSIUM CITRATE

Spectroscopy Standards

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

AA Standards

Item #	Product name
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
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

AA Standards cont.

Item #	Product name
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

Item #	Product name
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
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

ICP Standards cont.

Item #	Product name
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

Item #	Product name
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
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
3771	SULFATE, 1,000 ppm, ION CHROMATOGRAPHY STANDARD SOLUTION

Anion Standards

Item #	Product name
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

Item #	Product name
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
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

Spectrophotometer Standards cont.

Item #	Product name
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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