



Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2012 Price
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Acetate Buffer for Aluminum, pH 6.0

APHA 3500-Al B

Traceable to NIST

LC100701	500mL	Poly Bottle	Not Regulated	24	\$33.40
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Acetate Buffer for Arsenic, pH 5.5

APHA 3500-As B

Traceable to NIST

LC100052	1L	Poly Bottle	Not Regulated	24	\$33.60
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Acetate Buffer for Bromide, pH 4.6 – 4.7

APHA 4500-Br⁻ B

Traceable to NIST

LC100102	1L	Poly Bottle	Not Regulated	36	\$35.20
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Acetate Buffer for Chlorine, Iodine, pH 4.0

APHA 4500-Cl C,D, 4500-ClO₂ C, 4500-I C, ASTM D1253-03

Traceable to NIST

LC100301	500mL	Poly Bottle	Not Regulated	24	\$25.40
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LC100302	1L	Poly Bottle	Not Regulated	24	\$34.60
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LC100304	4L	Poly Bottle	Not Regulated	24	\$93.90
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LC100306	10L	Cubitainer®	Not Regulated	24	\$206.70
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LC100305	20L	Cubitainer®	Not Regulated	24	\$295.10
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Acetate Buffer for Cyanide, pH 4.5

APHA 4500-CN⁻ E,I

Traceable to NIST

LC100401	500mL	Poly Bottle	Not Regulated	24	\$25.60
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Acetate Buffer, APHA, for Iron – See Ammonium Acetate Buffer, Page 6.

Acetic Acid, Glacial, ACS

LC101001	500mL	Amber Glass	UN2789, 8(3), P.G.II	N/A	\$35.60
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LC101002	1L	Amber Glass	UN2789, 8(3), P.G.II	N/A	\$50.10
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LC101003	2.5L	Clear Glass	UN2789, 8(3), P.G.II	N/A	\$67.70
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LC1010036	6X2.5L	Clear Glass	UN2789, 8(3), P.G.II	N/A	\$227.00
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Acetic Acid Solutions Are Available in Any Size or Concentration. Please Call for a Quote.

Acetic Acid, 1% v/v (1+99)

Traceable to NIST

LC101201	500mL	Poly Bottle	Not Regulated	24	\$17.10
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LC101204	4L	Poly Bottle	Not Regulated	24	\$63.30
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Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2012 Price
Acetic Acid, 2% v/v (1+49)					
<i>Traceable to NIST</i>					
LC101501	500mL	Poly Bottle	Not Regulated	24	\$19.30
LC101502	1L	Poly Bottle	Not Regulated	24	\$29.00
Acetic Acid, 3% v/v (3+97)					
<i>Traceable to NIST</i>					
LC101601	500mL	Poly Bottle	Not Regulated	24	\$12.20
LC101604	4L	Poly Bottle	Not Regulated	24	\$48.80
Acetic Acid, 5% v/v (1+19)					
<i>Traceable to NIST</i>					
LC101801	500mL	Poly Bottle	Not Regulated	24	\$16.50
LC101802	1L	Poly Bottle	Not Regulated	24	\$21.50
LC101804	4L	Poly Bottle	Not Regulated	24	\$44.20
LC101805	20L	Cubitainer®	Not Regulated	24	\$151.40
Acetic Acid, 10% v/v (1+9)					
<i>Traceable to NIST</i>					
LC101901	500mL	Poly Bottle	Not Regulated	24	\$17.50
LC101902	1L	Poly Bottle	Not Regulated	24	\$22.50
LC101904	4L	Poly Bottle	Not Regulated	24	\$48.40
Acetic Acid, 11.1% v/v (1+8)					
<i>Traceable to NIST</i>					
LC102802	1L	Poly Bottle	UN2790, 8, P.G.III	24	\$40.40
Acetic Acid, 20% v/v (1+4)					
<i>Traceable to NIST</i>					
LC102101	500mL	Poly Bottle	UN2790, 8, P.G.III	24	\$18.40
LC102102	1L	Poly Bottle	UN2790, 8, P.G.III	24	\$25.80
LC102104	4L	Poly Bottle	UN2790, 8, P.G.III	24	\$52.70
LC102105	20L	Cubitainer®	UN2790, 8, P.G.III	24	\$169.90
Acetic Acid, 25% v/v (1+3)					
<i>Traceable to NIST</i>					
LC102402	1L	Poly Bottle	UN2790, 8, P.G.III	24	\$47.20
LC102404	4L	Poly Bottle	UN2790, 8, P.G.III	24	\$83.10
Acetic Acid, 30% v/v (3+7)					
<i>Traceable to NIST</i>					
LC102602	1L	Poly Bottle	UN2790, 8, P.G.III	24	\$22.70
LC102604	4L	Poly Bottle	UN2790, 8, P.G.III	24	\$53.60
LC102605	20L	Cubitainer®	UN2790, 8, P.G.III	24	\$216.20



Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2012 Price
Acetic Acid, 50% v/v (1+1)					
<i>Traceable to NIST</i>					
LC102901	500mL	Poly Bottle	UN2790, 8, P.G.II	24	\$35.50
LC102902	1L	Poly Bottle	UN2790, 8, P.G.II	24	\$49.00
LC102904	4L	Poly Bottle	UN2790, 8, P.G.II	24	\$91.30
Acetic Acid, 56% w/w					
<i>Traceable to NIST</i>					
LC103101	500mL	Poly Bottle	UN2790, 8, P.G.II	24	\$36.50
LC103102	1L	Poly Bottle	UN2790, 8, P.G.II	24	\$52.70
LC103104	4L	Poly Bottle	UN2790, 8, P.G.II	24	\$97.30
Acetic Acid, 0.1N (0.1M)					
<i>Traceable to NIST</i>					
LC103501	500mL	Poly Bottle	Not Regulated	24	\$16.70
LC103502	1L	Poly Bottle	Not Regulated	24	\$21.60
LC103504	4L	Poly Bottle	Not Regulated	24	\$40.70
Acetic Acid, 0.2N (0.2M)					
<i>Traceable to NIST</i>					
LC103602	1L	Poly Bottle	Not Regulated	24	\$21.10
LC103604	4L	Poly Bottle	Not Regulated	24	\$41.80
Acetic Acid, 1.0N (1.0M)					
<i>Traceable to NIST</i>					
LC103801	500mL	Poly Bottle	Not Regulated	24	\$15.20
LC103802	1L	Poly Bottle	Not Regulated	24	\$23.80
LC103804	4L	Poly Bottle	Not Regulated	24	\$45.70
LC103805	20L	Cubitainer®	Not Regulated	24	\$135.60
Acetic Acid, 2.0N (2.0M)					
<i>Traceable to NIST</i>					
LC103902	1L	Poly Bottle	UN2790, 8, P.G.III	24	\$23.40
LC103904	4L	Poly Bottle	UN2790, 8, P.G.III	24	\$47.50
Acetic Acid, 6.0N (6.0M)					
<i>Traceable to NIST</i>					
LC104002	1L	Poly Bottle	UN2790, 8, P.G.III	24	\$26.10
LC104004	4L	Poly Bottle	UN2790, 8, P.G.III	24	\$49.20
Acetone, ACS					
LC104201	500mL	Amber Glass	UN1090, 3, P.G.II	N/A	\$22.20
LC104202	1L	Amber Glass	UN1090, 3, P.G.II	N/A	\$30.90
LC104204	4L	Amber Glass	UN1090, 3, P.G.II	N/A	\$74.90
LC1042044	4X4L	Amber Glass	UN1090, 3, P.G.II	N/A	\$276.20



Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2012 Price
Acetone, HPLC					
LC104251	500mL	Amber Glass	UN1090, 3, P.G.II	N/A	\$43.50
LC104252	1L	Amber Glass	UN1090, 3, P.G.II	N/A	\$61.90
LC104254	4L	Amber Glass	UN1090, 3, P.G.II	N/A	\$138.60
Acetone-Alcohol, 1:1, Decolorizer					
LC104401	500mL	Poly Bottle	UN1993, 3, P.G.II	24	\$20.50
LC104402	1L	Poly Bottle	UN1993, 3, P.G.II	24	\$30.80
LC104404	4L	Poly Bottle	UN1993, 3, P.G.II	24	\$73.10
LC104405	20L	Cubitainer®	UN1993, 3, P.G.II	24	\$290.20
Acetonitrile, HPLC					
LC104602	1L	Amber Glass	UN1648, 3, P.G.II	N/A	\$150.00
LC104604	4L	Amber Glass	UN1648, 3, P.G.II	N/A	\$416.90
Acid-Alcohol, 3% v/v in 70% Alcohol					
<i>Traceable to NIST</i>					
LC105001	500mL	Poly Bottle	UN2924, 3(8), P.G.II	24	\$18.10
LC105004	4L	Poly Bottle	UN2924, 3(8), P.G.II	24	\$81.70
Acid-Alcohol, 5% v/v in 95% Alcohol					
<i>Traceable to NIST</i>					
LC105202	1L	Poly Bottle	UN2924, 3(8), P.G.II	12	\$29.80
LC105204	4L	Poly Bottle	UN2924, 3(8), P.G.II	12	\$76.80
Acid Digestion Reagent (with Mercury), for Organic Nitrogen					
APHA 4500-Norg B (18th Ed.), ASTM D3590-02					
LC105502	1L	Poly Bottle	UN2796, 8, P.G.II	24	\$56.60
LC105504	4L	Poly Bottle	UN2796, 8, P.G.II	24	\$121.80
Acid Digestion Reagent, for Organic Nitrogen					
APHA 4500-Norg B					
LC105602	1L	Poly Bottle	UN2796, 8, P.G.II	12	\$50.40
LC105604	4L	Poly Bottle	UN2796, 8, P.G.II	12	\$117.10
Alcohol-Glycerin, 50-50 (Reagent Alcohol and Glycerin)					
TAPPI T263 sp-02					
LC105657	125mL	Poly Bottle	UN1987, 3, P.G.III	24	\$18.30
Alcohol – See Reagent Alcohol, Page 77.					
Alcoholic Sulfuric Acid for Phosphorus					
APHA 4500-P D					
LC105702	1L	Poly Bottle	UN2924, 3(8), P.G.II	24	\$44.00



Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2012 Price
Alizarin Red S					
LC105908	25g	Amber Glass	Not Regulated	N/A	\$41.30
Alizarin Red S, 1% Aqueous					
LC106007	125mL	Poly Bottle	Not Regulated	24	\$11.00
LC106001	500mL	Poly Bottle	Not Regulated	24	\$20.10
LC106002	1L	Poly Bottle	Not Regulated	24	\$32.50
Alkaline Iodide Azide Solution I, for Dissolved Oxygen (Saturated and Less than Saturated Samples)					
APHA 4500-O C,D,E,F, ASTM D888-05 A					
LC106701	500mL	Amber Poly	UN1824, 8, P.G.II	36	\$38.00
LC106702	1L	Amber Poly	UN1824, 8, P.G.II	36	\$68.10
LC106704	4L	Poly Bottle	UN1824, 8, P.G.II	36	\$228.10
Alkaline Iodide Azide Solution II, for Dissolved Oxygen (Concentrations Greater than 15mg/L)					
APHA 4500-O C,D,E,F, ASTM D888-05 A					
LC106902	1L	Amber Poly	UN1824, 8, P.G.II	36	\$266.20
Alkaline Iodide Solution, for Dissolved Oxygen					
ASTM D888-92 A, D888-05 A					
LC106401	500mL	Amber Poly	UN1824, 8, P.G.II	24	\$35.70
LC106402	1L	Amber Poly	UN1824, 8, P.G.II	24	\$54.10
LC106404	4L	Poly Bottle	UN1824, 8, P.G.II	24	\$144.10
Alum Solution, 10% w/v, for Dissolved Oxygen					
APHA 4500-O E					
LC107401	500mL	Poly Bottle	Not Regulated	24	\$35.20
LC107402	1L	Poly Bottle	Not Regulated	24	\$53.20
Aluminum AA Standard, 1000ppm (1 mL = 1 mg Al)					
<i>Traceable to NIST</i>					
LC107507	125mL	Poly Bottle	UN1789, 8, P.G.II	24	\$21.10
LC107501	500mL	Poly Bottle	UN1789, 8, P.G.II	24	\$41.80
Aluminum Chloride, Hexahydrate					
LC108101	500g	Poly Bottle	UN1726, 8, P.G.II	N/A	\$46.40
Aluminum Chloride Solution, for Sulfide					
APHA 4500-S ²⁻ B					
LC108207	125mL	Poly Bottle	UN2581, 8, P.G.III	24	\$40.40
LC108201	500mL	Poly Bottle	UN2581, 8, P.G.III	24	\$122.80
Aluminum Hydroxide Suspension, for Chloride					
APHA 4500-Cl ⁻ B					
LC108401	500mL	Poly Bottle	Not Regulated	24	\$56.40



Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2012 Price
Amine-Sulfuric Acid Reagent, for Sulfide					
APHA 4500-S ²⁻ D					
LC108801	500mL	Amber Glass	UN1830, 8, P.G.II	12	\$46.00
LC108802	1L	Amber Glass	UN1830, 8, P.G.II	12	\$80.50
1-Amino-2-Naphthol-4-Sulfonic Acid					
				Refrigerated Item	
LC108508	25g	Poly Bottle	Not Regulated	N/A	\$51.30
1-Amino-2-Naphthol-4-Sulfonic Acid Solution, for Phosphorus					
ASTM D515-82 B					
LC108607	125mL	Amber Poly	Not Regulated	2	\$16.30
LC108601	500mL	Amber Poly	Not Regulated	2	\$29.00
1-Amino-2-Naphthol-4-Sulfonic Acid Solution, for Silica					
APHA 4500-SiO ₂ D, ASTM D859-05					
LC108907	125mL	Amber Poly	Not Regulated	2	\$14.80
LC108901	500mL	Amber Poly	Not Regulated	2	\$26.20
Ammonia Standard, 1000ppm (1 mL = 1 mg NH₃)					
<i>Traceable to NIST</i>					
LC109001	500mL	Poly Bottle	Not Regulated	24	\$30.30
Ammonia (as Nitrogen) Standard, 1000 ppm, (1 mL = 1 mg N, 1 mL = 1.22mg NH₃)					
<i>Traceable to NIST</i>					
LC179407	125mL	Poly Bottle	Not Regulated	24	\$14.50
LC179401	500mL	Poly Bottle	Not Regulated	24	\$25.50
LC179402	1L	Poly Bottle	Not Regulated	24	\$32.10
Ammonium Acetate, ACS					
LC109601	500g	Poly Bottle	Not Regulated	N/A	\$51.20
Ammonium Acetate, 20% w/v					
TAPPI T618 cm-01					
LC109652	1L	Poly Bottle	Not Regulated	12	\$36.70
Ammonium Acetate Buffer, for Iron					
APHA 3500-Fe B					
LC109701	500mL	Poly Bottle	UN2790, 8, P.G.II	24	\$25.80
LC109702	1L	Poly Bottle	UN2790, 8, P.G.II	24	\$41.50
LC109704	4L	Poly Bottle	UN2790, 8, P.G.II	24	\$120.80
Ammonium Acetate Buffer, for Iron					
ASTM D1068-96, TAPPI T613 cm-01					
LC109851	500mL	Poly Bottle	Not Regulated	24	\$27.40
LC109852	1L	Poly Bottle	Not Regulated	24	\$42.80



Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2012 Price
Ammonium Buffer					
TAPPI T665 cm-02					
LC109712	1L	Poly Bottle	UN2672, 8, P.G.III	12	\$40.80
Ammonium Chloride, ACS					
LC109721	500g	Poly Bottle	Not Regulated	N/A	\$24.10
Ammonium Chloride–Ammonium Hydroxide Buffer – See Water Hardness Buffer, Page 107.					
Ammonium Chloride, 1.15g/L, for BOD					
LC109801	500mL	Poly Bottle	Not Regulated	24	\$21.60
Ammonium Chloride, 85g/L, for Nitrogen (Nitrate)					
APHA 4500–NO ₃ ⁻ F, ASTM D3867–04 A,B					
LC109901	500mL	Poly Bottle	Not Regulated	12	\$29.70
LC109902	1L	Poly Bottle	Not Regulated	12	\$45.60
Ammonium Chloride, 2% w/v					
TAPPI T618 cm-01, T665 cm-02					
LC109864	4L	Poly Bottle	Not Regulated	24	\$54.10
Ammonium Chloride, 5% w/v					
LC110002	1L	Poly Bottle	Not Regulated	24	\$39.50
Ammonium Chloride, 10% w/v					
<i>Traceable to NIST</i>					
LC110102	1L	Poly Bottle	Not Regulated	24	\$31.80
Ammonium Chloride, 0.1M (0.1N)					
<i>Traceable to NIST</i>					
LC109751	500mL	Poly Bottle	Not Regulated	24	\$24.80
Ammonium Chloride–EDTA Solution, for Nitrogen (Nitrate)					
APHA 4500–NO ₃ ⁻ E					
LC110202	1L	Poly Bottle	Not Regulated	24	\$56.90
LC110204	4L	Poly Bottle	Not Regulated	24	\$104.10
LC110206	10L	Cubitainer®	Not Regulated	24	\$228.90
Ammonium Hydroxide, ACS					
LC110501	500mL	Amber Glass	UN2672, 8, P.G.III	N/A	\$28.50
LC110503	2.5L	Clear Glass	UN2672, 8, P.G.III	N/A	\$46.50
LC1105036	6X2.5L	Clear Glass	UN2672, 8, P.G.III	N/A	\$160.10



Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2012 Price
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Ammonium Hydroxide Solutions Are Available in Any Size or Concentration. Please Call for a Quote.

Ammonium Hydroxide (1:10) with Drops of HNO₃

TAPPI T619 cm-01

LC111752	1L	Poly Bottle	Not Regulated	24	\$35.70
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Ammonium Hydroxide, 5% v/v (1+19), for Magnesium

APHA 3500-Mg D (19th Ed.)

Traceable to NIST

LC111901	500mL	Poly Bottle	Not Regulated	24	\$22.40
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LC111904	4L	Poly Bottle	Not Regulated	24	\$69.00
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LC111905	20L	Cubitainer®	Not Regulated	24	\$151.80
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Ammonium Hydroxide, 10% v/v (1+9)

APHA 3500-Pb B

Traceable to NIST

LC111801	500mL	Poly Bottle	Not Regulated	24	\$24.20
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LC111802	1L	Poly Bottle	Not Regulated	24	\$32.20
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Ammonium Hydroxide, 16.7% v/v (1+5)

Traceable to NIST

LC111701	500mL	Poly Bottle	Not Regulated	24	\$24.20
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Ammonium Hydroxide, 20% v/v (1+4), for Hardness

ASTM D1126-96

Traceable to NIST

LC111601	500mL	Poly Bottle	Not Regulated	24	\$25.20
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LC111602	1L	Poly Bottle	Not Regulated	24	\$38.50
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LC111604	4L	Poly Bottle	Not Regulated	24	\$80.60
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LC111606	10L	Cubitainer®	Not Regulated	24	\$146.20
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Ammonium Hydroxide, 25% v/v (1+3)

TAPPI T618 cm-01

Traceable to NIST

LC111652	1L	Poly Bottle	Not Regulated	24	\$40.10
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Ammonium Hydroxide, 50% v/v (1+1)

Traceable to NIST

LC111401	500mL	Poly Bottle	UN2672, 8, P.G.III	24	\$27.40
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LC111402	1L	Poly Bottle	UN2672, 8, P.G.III	24	\$43.80
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LC111404	4L	Poly Bottle	UN2672, 8, P.G.III	24	\$85.70
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Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2012 Price
Ammonium Hydroxide, 0.5N (0.5M), for Phenols					
APHA 5530 C,D <i>Traceable to NIST</i>					
LC110701	500mL	Poly Bottle	Not Regulated	24	\$22.80
LC110704	4L	Poly Bottle	Not Regulated	24	\$81.40
Ammonium Hydroxide, 1.0N (1.0M)					
<i>Traceable to NIST</i>					
LC110801	500mL	Poly Bottle	Not Regulated	24	\$24.90
LC110802	1L	Poly Bottle	Not Regulated	24	\$34.50
LC110804	4L	Poly Bottle	Not Regulated	24	\$78.40
Ammonium Hydroxide, 5.0N (5.0M)					
APHA 3500-Cu B, 7500-Ra B <i>Traceable to NIST</i>					
LC111101	500mL	Poly Bottle	Not Regulated	24	\$36.00
LC111102	1L	Poly Bottle	Not Regulated	24	\$45.70
LC111104	4L	Poly Bottle	Not Regulated	24	\$87.80
Ammonium Hydroxide, 6.0N (6.0M)					
<i>Traceable to NIST</i>					
LC111201	500mL	Poly Bottle	UN2672, 8, P.G.III	24	\$33.30
LC111202	1L	Poly Bottle	UN2672, 8, P.G.III	24	\$47.70
Ammonium Molybdate, Tetrahydrate, ACS					
LC111951	500g	Poly Bottle	Not Regulated	N/A	\$84.20
Ammonium Molybdate, 1% w/v in 0.1N Sulfuric Acid					
LC112052	1L	Poly Bottle	Not Regulated	12	\$35.20
Ammonium Molybdate, 4% w/v, for Phosphorus					
APHA 4500-P E,F					
LC112101	500mL	Poly Bottle	Not Regulated	6	\$37.40
Ammonium Molybdate, 4.8% w/v, for Phosphorus					
ASTM D515-82 B					
LC112151	500mL	Poly Bottle	Not Regulated	4	\$36.70
Ammonium Molybdate, 7.5% w/v, for Silica					
ASTM D859-05					
LC112201	500mL	Poly Bottle	Not Regulated	2	\$36.10
Ammonium Molybdate, 10% w/v, for Silica					
APHA 4500-SiO ₂ C,D					
LC112501	500mL	Poly Bottle	Not Regulated	12	\$40.70
LC112502	1L	Poly Bottle	Not Regulated	12	\$62.30
LC112504	4L	Poly Bottle	Not Regulated	12	\$178.40



Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2012 Price
Ammonium Molybdate Reagent I, for Phosphorus					
APHA 4500-P D					
LC112301	500mL	Poly Bottle	UN2796, 8, P.G.II	12	\$39.50
LC112302	1L	Poly Bottle	UN2796, 8, P.G.II	12	\$53.10
Ammonium Molybdate Reagent II, for Phosphorus					
APHA 4500-P D					
LC112401	500mL	Poly Bottle	UN2796, 8, P.G.II	12	\$46.90
LC112402	1L	Poly Bottle	UN2796, 8, P.G.II	12	\$64.80
Ammonium Oxalate, Monohydrate, ACS					
LC112701	500g	Poly Bottle	UN2811, 6.1, P.G.III	N/A	\$79.00
Ammonium Oxalate, 3.5% w/v					
TAPPI T421 om-97					
LC112752	1L	Poly Bottle	Not Regulated	24	\$44.00
Ammonium Oxalate, 4% w/v, for Calcium					
APHA 3500-Ca E (17th Ed.) <i>Traceable to NIST</i>					
LC112801	500mL	Poly Bottle	Not Regulated	24	\$24.20
LC112802	1L	Poly Bottle	Not Regulated	24	\$40.20
LC112804	4L	Poly Bottle	Not Regulated	24	\$103.80
Ammonium Oxalate, Saturated Solution					
TAPPI T618 cm-01					
LC112822	1L	Poly Bottle	Not Regulated	24	\$53.70
Ammonium Phosphate, Dibasic, ACS					
LC112851	500g	Poly Bottle	Not Regulated	N/A	\$48.70
Ammonium Phosphate, 30% w/v, for Magnesium					
APHA 3500-Mg D (19th Ed.)					
LC112901	500mL	Poly Bottle	Not Regulated	24	\$74.20
Ammonium Phosphate, 40%, for Sulfide					
APHA 4500-S ²⁻ D					
LC112957	125mL	Poly Bottle	Not Regulated	24	\$33.60
LC112951	500mL	Poly Bottle	Not Regulated	24	\$121.30
Ammonium Purpurate – See Murexide Indicator, Page 56.					
Ammonium Sulfate, ACS					
LC112981	500g	Poly Bottle	Not Regulated	N/A	\$25.00



Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2012 Price
Ammonium Sulfate, 10% w/v, for Radium					
APHA 7500-Ra C <i>Traceable to NIST</i>					
LC113001	500mL	Poly Bottle	Not Regulated	24	\$38.10
Ammonium Thiocyanate, ACS					
LC113401	500g	Poly Bottle	Not Regulated	N/A	\$70.40
Ammonium Thiocyanate, 30% w/v					
<i>Traceable to NIST</i>					
LC113451	500mL	Poly Bottle	Not Regulated	24	\$59.10
Ammonium Thiocyanate, 0.025N (0.025M)					
<i>Traceable to NIST</i>					
LC113501	500mL	Poly Bottle	Not Regulated	24	\$39.20
Ammonium Thiocyanate, 0.1N (0.1M)					
<i>Traceable to NIST</i>					
LC113702	1L	Poly Bottle	Not Regulated	24	\$25.00
LC113704	4L	Poly Bottle	Not Regulated	24	\$63.10
Antimony AA Standard, 1000ppm (1 mL = 1 mg Sb)					
<i>Traceable to NIST</i>					
LC114207	125mL	Poly Bottle	UN3264, 8, P.G.II	24	\$17.10
LC114201	500mL	Poly Bottle	UN3264, 8, P.G.II	24	\$36.80
Arsenazo III Indicator					
TAPPI T255 cm-97					
LC114707	125mL	Poly Bottle	Not Regulated	12	\$20.50
Arsenic AA Standard, 1000ppm (1 mL = 1 mg As)					
<i>Traceable to NIST</i>					
LC115007	125mL	Poly Bottle	UN2031, 8, P.G.II	24	\$19.80
LC115001	500mL	Poly Bottle	UN2031, 8, P.G.II	24	\$41.80
Arsenic Trioxide, Reagent					
LC115059	100g	Amber Glass	UN1561, 6.1, P.G.II	N/A	\$79.00
Arsenious Acid, 0.1N (0.05M), APHA, for Chlorine – See Sodium Arsenite, Page 82.					
Arsenious Acid Solution, For Iodide					
APHA 4500-I ⁻ C					
LC115201	500mL	Poly Bottle	Not Regulated	24	\$26.40
Ascorbic Acid					
LC115309	100g	Amber Glass	Not Regulated	N/A	\$25.80



Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2012 Price
Barium AA Standard, 1000ppm (1 mL = 1 mg Ba)					
<i>Traceable to NIST</i>					
LC115507	125mL	Poly Bottle	Not Regulated	36	\$17.80
LC115501	500mL	Poly Bottle	Not Regulated	36	\$36.80
Barium Chloride, ACS					
LC115609	100g	Poly Bottle	UN1564, 6.1, P.G.III	N/A	\$27.00
LC115601	500g	Poly Bottle	UN1564, 6.1, P.G.III	N/A	\$45.20
Barium Chloride, 10% w/v, for Sulfate					
APHA 4500-SO ₄ ²⁻ C,D					
<i>Traceable to NIST</i>					
LC116001	500mL	Poly Bottle	Not Regulated	24	\$18.80
LC116002	1L	Poly Bottle	Not Regulated	24	\$28.70
LC116004	4L	Poly Bottle	Not Regulated	24	\$78.60
LC116005	20L	Cubitainer®	Not Regulated	24	\$333.50
Barium Chloride, 12% w/v					
TAPPI T613 cm-00					
<i>Traceable to NIST</i>					
LC116022	1L	Poly Bottle	Not Regulated	24	\$38.40
Barium Chloride, 20% w/v					
<i>Traceable to NIST</i>					
LC116051	500mL	Poly Bottle	Not Regulated	24	\$19.60
LC116052	1L	Poly Bottle	Not Regulated	24	\$37.90
LC116054	4L	Poly Bottle	Not Regulated	24	\$90.00
Barium Chloride, 0.1N (0.05M)					
<i>Traceable to NIST</i>					
LC116202	1L	Poly Bottle	Not Regulated	24	\$40.90
LC116204	4L	Poly Bottle	Not Regulated	24	\$79.20
Barium Chloride, 1.5N (0.75M)					
TAPPI T429 cm-01					
<i>Traceable to NIST</i>					
LC116221	500mL	Poly Bottle	Not Regulated	24	
Barium Diphenylamine Sulfonate					
LC116258	25g	Amber Glass	Not Regulated	N/A	\$199.10
Barium Diphenylamine Sulfonate, 0.1% w/v, for Chlorine, Chlorine Dioxide					
APHA 4500-Cl F, 4500 ClO ₂ D (20th Ed.)					
LC116307	125mL	Poly Bottle	Not Regulated	24	\$21.80



Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2012 Price
Barium Hydroxide, Saturated Solution					
TAPPI T249 cm-00					
LC116402	1L	Poly Bottle	UN3266, 8, P.G.III	12	\$75.00
Barium Perchlorate, 0.01N (0.005M)					
TAPPI T255 cm-97					
<i>Traceable to NIST</i>					
LC116452	1L	Amber Glass	Not Regulated	24	\$28.90
Benedict Qualitative Solution					
LC116501	500mL	Poly Bottle	Not Regulated	24	\$17.10
LC116502	1L	Poly Bottle	Not Regulated	24	\$27.70
LC116504	4L	Poly Bottle	Not Regulated	24	\$68.20
Benedict Quantitative Solution					
LC116601	500mL	Poly Bottle	Not Regulated	24	\$35.50
LC116602	1L	Poly Bottle	Not Regulated	24	\$66.90
Bismuth AA Standard, 1000ppm (1 mL = 1 mg Bi)					
<i>Traceable to NIST</i>					
LC116707	125mL	Poly Bottle	UN2031, 8, P.G.II	24	\$19.80
LC116701	500mL	Poly Bottle	UN2031, 8, P.G.II	24	\$41.80
Biuret Reagent, for Serum Protein					
LC116901	500mL	Poly Bottle	UN1824, 8, P.G.II	12	\$33.00
LC116902	1L	Poly Bottle	UN1824, 8, P.G.II	12	\$35.90
LC116904	4L	Poly Bottle	UN1824, 8, P.G.II	12	\$69.30
LC116905	20L	Cubitainer®	UN1824, 8, P.G.II	12	\$234.20
Bleach – See Sodium Hypochlorite, Page 92.					
BOD Testing Reagents – See Page 109 for Complete Listing.					
Borate Buffer, for Nitrogen (Ammonia), Nitrogen (Organic)					
APHA 4500-NH ₃ B, 4500-Norg B					
<i>Traceable to NIST</i>					
LC117001	500mL	Poly Bottle	Not Regulated	24	\$23.40
LC117002	1L	Poly Bottle	Not Regulated	24	\$32.80
LC117004	4L	Poly Bottle	Not Regulated	24	\$65.30
Borax, 1% w/v, for Silica					
APHA 4500-SiO ₂ C,D					
LC117101	500mL	Poly Bottle	Not Regulated	24	\$25.20



Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2012 Price
Boric Acid, ACS					
LC117151	500g	Poly Bottle	Not Regulated	N/A	\$28.80
Boric Acid, 2% w/v					
<i>Traceable to NIST</i>					
LC117202	1L	Poly Bottle	Not Regulated	24	\$27.80
LC117204	4L	Poly Bottle	Not Regulated	24	\$57.80
Boric Acid, 2% w/v with Indicator (Methylene Blue–Methyl Red) for Nitrogen (Ammonia), Nitrogen (Organic)					
APHA 4500–NH ₃ B,C, 4500–Norg B					
LC117701	500mL	Poly Bottle	Not Regulated	1	\$31.80
LC117702	1L	Poly Bottle	Not Regulated	1	\$45.70
LC117704	4L	Poly Bottle	Not Regulated	1	\$84.30
Boric Acid, 4% w/v					
<i>Traceable to NIST</i>					
LC117401	500mL	Poly Bottle	Not Regulated	24	\$18.10
LC117402	1L	Poly Bottle	Not Regulated	24	\$24.00
LC117404	4L	Poly Bottle	Not Regulated	24	\$40.20
Boric Acid, 4% w/v with Indicator (Bromocresol Green–Methyl Red)					
<i>Traceable to NIST</i>					
LC117502	1L	Poly Bottle	Not Regulated	24	\$27.40
LC117504	4L	Poly Bottle	Not Regulated	24	\$48.40
LC117506	10L	Cubitainer®	Not Regulated	24	\$77.20
LC117505	20L	Cubitainer®	Not Regulated	24	\$100.80
Boron AA Standard, 1000ppm (1mL = 1mg B)					
<i>Traceable to NIST</i>					
LC117807	125mL	Poly Bottle	Not Regulated	24	\$17.80
LC117801	500mL	Poly Bottle	Not Regulated	24	\$36.80
Bouin's Fluid, Tissue Fixative (Picric Acid, Formaldehyde, Acetic Acid)					
LC117901	500mL	Poly Bottle	UN3265, 8, P.G.III	24	\$27.80
LC117902	1L	Poly Bottle	UN3265, 8, P.G.III	24	\$45.40
LC117904	4L	Poly Bottle	UN3265, 8, P.G.III	24	\$112.40
Brij 35, 30% w/v					
LC117921	500mL	Poly Bottle	Not Regulated	24	\$27.00
Brilliant Green					
LC117958	25g	Amber Glass	Not Regulated	N/A	\$29.90
Brilliant Green, 1% Aqueous, pH 0.0 – 2.6 Yellow to Green					
LC118001	500mL	Poly Bottle	Not Regulated	24	\$39.30



Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2012 Price
Bromate–Bromide, 0.01N (0.0017M), for Phenols					
APHA 5530 C,D <i>Traceable to NIST</i>					
LC119501	500mL	Amber Glass	Not Regulated	24	\$27.20
LC119502	1L	Amber Glass	Not Regulated	24	\$37.20
LC119504	4L	Amber Glass	Not Regulated	24	\$78.90
Bromate–Bromide, 0.5N (0.083M)					
<i>Traceable to NIST</i>					
LC119701	500mL	Amber Glass	Not Regulated	24	\$33.20
LC119704	4L	Amber Glass	Not Regulated	24	\$99.00
Bromine Water, Saturated					
<i>Traceable to NIST</i>					
LC120001	500mL	Amber Glass	UN1744, 8(6.1), P.G.I	36	\$40.20
Bromocresol Green, Sodium Salt					
LC118207	10g	Amber Glass	Not Regulated	N/A	\$112.50
Bromocresol Green, 0.04% w/v Aqueous, pH 3.8 – 5.4 Yellow to Blue					
LC118307	125mL	Poly Bottle	Not Regulated	36	\$15.00
LC118301	500mL	Poly Bottle	Not Regulated	36	\$17.50
LC118302	1L	Poly Bottle	Not Regulated	36	\$25.60
Bromocresol Green, 0.1% w/v Aqueous, pH 3.8 – 5.4 Yellow to Blue					
LC118507	125mL	Poly Bottle	Not Regulated	36	\$14.30
LC118501	500mL	Poly Bottle	Not Regulated	36	\$25.90
Bromocresol Green – Methyl Red, Aqueous, for Alkalinity					
APHA 2320 B					
LC118707	125mL	Amber Poly	Not Regulated	24	\$16.90
LC118701	500mL	Amber Poly	Not Regulated	24	\$26.10
LC118704	4L	Amber Glass	Not Regulated	24	\$167.10
Bromocresol Green – Methyl Red, Alcoholic, for Alkalinity					
APHA 2320 B					
LC118807	125mL	Amber Poly	UN1170, 3, P.G.II	12	\$28.20
LC118801	500mL	Amber Poly	UN1170, 3, P.G.II	12	\$35.00
LC118802	1L	Amber Poly	UN1170, 3, P.G.II	12	\$57.50
Bromocresol Purple, Sodium Salt					
LC118857	10g	Amber Glass	Not Regulated	N/A	\$46.80
Bromocresol Purple, 0.04% Aqueous, pH 5.3 – 6.8 Yellow to Purple					
LC118907	125mL	Poly Bottle	Not Regulated	24	\$12.00
LC118901	500mL	Poly Bottle	Not Regulated	24	\$16.80



Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2012 Price
Bromophenol Blue, Sodium Salt					
LC120107	10g	Amber Glass	Not Regulated	N/A	\$33.00
Bromophenol Blue, 0.04% Aqueous, pH 3.0 – 4.6 Yellow to Blue					
LC120207	125mL	Poly Bottle	Not Regulated	36	\$12.10
LC120201	500mL	Poly Bottle	Not Regulated	36	\$16.60
LC120202	1L	Poly Bottle	Not Regulated	36	\$27.20
Bromophenol Blue, 0.1% Aqueous, pH 3.0 – 4.6 Yellow to Blue					
LC120307	125mL	Poly Bottle	Not Regulated	36	\$10.30
LC120301	500mL	Poly Bottle	Not Regulated	36	\$24.60
LC120302	1L	Poly Bottle	Not Regulated	36	\$41.80
Bromothymol Blue, Sodium Salt					
LC120407	10g	Amber Glass	Not Regulated	N/A	\$60.20
Bromothymol Blue, 0.04% Aqueous, pH 6.0 – 7.6 Yellow to Blue					
LC120507	125mL	Poly Bottle	Not Regulated	24	\$10.10
LC120501	500mL	Poly Bottle	Not Regulated	24	\$16.90
LC120502	1L	Poly Bottle	Not Regulated	24	\$31.40
Bromothymol Blue–Phenol Red, Mixed Indicator					
LC120807	125mL	Poly Bottle	Not Regulated	24	\$12.70
Buffer, Phosphate – See Phosphate Buffer, Page 62.					

Buffer Solutions Are Available in Any Size or pH. Please Call for a Quote.

Buffer Starter Kit (500mL Buffers pH 4.0, 7.0, and 10.0 and 125mL Potassium Chloride, 4M)

Traceable to NIST

LC12100	EA	Poly Bottle	Not Regulated	N/A	\$49.30
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Buffer Solution pH 1.0 @ 25°C

Traceable to NIST

LC121801	500mL	Poly Bottle	UN1789, 8, P.G.III	12	\$16.10
LC121802	1L	Poly Bottle	UN1789, 8, P.G.III	12	\$27.80
LC121804	4L	Poly Bottle	UN1789, 8, P.G.III	12	\$64.60

Buffer Solution pH 1.07 @ 25°C

Traceable to NIST

LC122001	500mL	Poly Bottle	Not Regulated	24	\$18.20
LC122002	1L	Poly Bottle	Not Regulated	24	\$29.10
LC122004	4L	Poly Bottle	Not Regulated	24	\$65.20



Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2012 Price
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Buffer Solution pH 1.68 @ 25°C

Traceable to NIST

LC122101	500mL	Poly Bottle	Not Regulated	24	\$20.90
LC122102	1L	Poly Bottle	Not Regulated	24	\$33.50
LC122104	4L	Poly Bottle	Not Regulated	24	\$84.70

Buffer Solution pH 2.0 @ 25°C

Traceable to NIST

LC122201	500mL	Poly Bottle	Not Regulated	24	\$15.90
LC122202	1L	Poly Bottle	Not Regulated	24	\$26.80
LC122204	4L	Poly Bottle	Not Regulated	24	\$62.10
LC122206	10L	Cubitainer®	Not Regulated	24	\$98.40
LC122205	20L	Cubitainer®	Not Regulated	24	\$145.00

Buffer Solution pH 3.0 @ 25°C

Traceable to NIST

LC122501	500mL	Poly Bottle	Not Regulated	24	\$16.10
LC122502	1L	Poly Bottle	Not Regulated	24	\$27.80
LC122504	4L	Poly Bottle	Not Regulated	24	\$62.30
LC122506	10L	Cubitainer®	Not Regulated	24	\$98.90

Buffer Solution pH 4.0 @ 25°C

Traceable to NIST

LC122701	500mL	Poly Bottle	Not Regulated	24	\$12.00
LC122702	1L	Poly Bottle	Not Regulated	24	\$19.60
LC122704	4L	Poly Bottle	Not Regulated	24	\$39.20
LC122706	10L	Cubitainer®	Not Regulated	24	\$65.20
LC122705	20L	Cubitainer®	Not Regulated	24	\$81.40

Buffer Solution pH 4.0 @ 25°C, Color Coded Red

Traceable to NIST

LC122801	500mL	Poly Bottle	Not Regulated	24	\$12.10
LC122802	1L	Poly Bottle	Not Regulated	24	\$19.70
LC122804	4L	Poly Bottle	Not Regulated	24	\$39.30
LC122806	10L	Cubitainer®	Not Regulated	24	\$62.20
LC122805	20L	Cubitainer®	Not Regulated	24	\$78.50
LC1228020	20x20mL	Pack	Not Regulated	24	\$38.00



Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2012 Price
Buffer Solution pH 5.0 @ 25°C					
<i>Traceable to NIST</i>					
LC123001	500mL	Poly Bottle	Not Regulated	24	\$16.70
LC123002	1L	Poly Bottle	Not Regulated	24	\$27.10
LC123004	4L	Poly Bottle	Not Regulated	24	\$62.30
LC123006	10L	Cubitainer®	Not Regulated	24	\$99.30
LC123005	20L	Cubitainer®	Not Regulated	24	\$145.00
Buffer Solution pH 6.0 @ 25°C					
<i>Traceable to NIST</i>					
LC123301	500mL	Poly Bottle	Not Regulated	24	\$16.90
LC123302	1L	Poly Bottle	Not Regulated	24	\$25.70
LC123304	4L	Poly Bottle	Not Regulated	24	\$60.70
LC123306	10L	Cubitainer®	Not Regulated	24	\$99.30
LC123305	20L	Cubitainer®	Not Regulated	24	\$138.20
Buffer Solution pH 6.86 @ 25°C					
<i>Traceable to NIST</i>					
LC123501	500mL	Poly Bottle	Not Regulated	24	\$16.70
LC123502	1L	Poly Bottle	Not Regulated	24	\$28.00
LC123504	4L	Poly Bottle	Not Regulated	24	\$55.50
LC123506	10L	Cubitainer®	Not Regulated	24	\$98.40
LC123505	20L	Cubitainer®	Not Regulated	24	\$136.10
Buffer Solution pH 7.0 @ 25°C					
<i>Traceable to NIST</i>					
LC123701	500mL	Poly Bottle	Not Regulated	24	\$12.00
LC123702	1L	Poly Bottle	Not Regulated	24	\$19.60
LC123704	4L	Poly Bottle	Not Regulated	24	\$39.20
LC123706	10L	Cubitainer®	Not Regulated	24	\$65.20
LC123705	20L	Cubitainer®	Not Regulated	24	\$78.40
Buffer Solution pH 7.0 @ 25°C, Color Coded Yellow					
<i>Traceable to NIST</i>					
LC123801	500mL	Poly Bottle	Not Regulated	24	\$12.10
LC123802	1L	Poly Bottle	Not Regulated	24	\$19.70
LC123804	4L	Poly Bottle	Not Regulated	24	\$39.30
LC123806	10L	Cubitainer®	Not Regulated	24	\$62.20
LC123805	20L	Cubitainer®	Not Regulated	24	\$78.50
LC1238020	20x20mL	Pack	Not Regulated	24	\$38.00



Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2012 Price
Buffer Solution pH 7.38 @ 25°C					
<i>Traceable to NIST</i>					
LC124001	500mL	Poly Bottle	Not Regulated	24	\$26.40
LC124002	1L	Poly Bottle	Not Regulated	24	\$44.30
Buffer Solution pH 7.4 @ 25°C					
<i>Traceable to NIST</i>					
LC123901	500mL	Poly Bottle	Not Regulated	24	\$14.50
LC123902	1L	Poly Bottle	Not Regulated	24	\$27.80
LC123904	4L	Poly Bottle	Not Regulated	24	\$59.00
Buffer Solution pH 7.7 @ 25°C					
<i>Traceable to NIST</i>					
LC124101	500mL	Poly Bottle	Not Regulated	24	\$21.80
LC124102	1L	Poly Bottle	Not Regulated	24	\$31.10
LC124104	4L	Poly Bottle	Not Regulated	24	\$83.40
LC124105	20L	Cubitainer®	Not Regulated	24	\$172.40
Buffer Solution pH 8.0 @ 25°C					
<i>Traceable to NIST</i>					
LC124201	500mL	Poly Bottle	Not Regulated	24	\$15.90
LC124202	1L	Poly Bottle	Not Regulated	24	\$26.60
LC124204	4L	Poly Bottle	Not Regulated	24	\$60.40
LC124206	10L	Cubitainer®	Not Regulated	24	\$89.70
LC124205	20L	Cubitainer®	Not Regulated	24	\$131.70
Buffer Solution pH 9.0 @ 25°C					
<i>Traceable to NIST</i>					
LC124401	500mL	Poly Bottle	Not Regulated	24	\$13.50
LC124402	1L	Poly Bottle	Not Regulated	24	\$27.80
LC124404	4L	Poly Bottle	Not Regulated	24	\$62.30
LC124406	10L	Cubitainer®	Not Regulated	24	\$99.30
LC124405	20L	Cubitainer®	Not Regulated	24	\$141.40
Buffer Solution pH 9.18 @ 25°C					
<i>Traceable to NIST</i>					
LC124501	500mL	Poly Bottle	Not Regulated	24	\$19.20
LC124502	1L	Poly Bottle	Not Regulated	24	\$32.70
LC124504	4L	Poly Bottle	Not Regulated	24	\$71.90
LC124506	10L	Cubitainer®	Not Regulated	24	\$138.00
LC124505	20L	Cubitainer®	Not Regulated	24	\$192.50



Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2012 Price
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Buffer Solution pH 10.0 @ 25°C

Traceable to NIST

LC125001	500mL	Poly Bottle	Not Regulated	12	\$12.00
LC125002	1L	Poly Bottle	Not Regulated	12	\$19.60
LC125004	4L	Poly Bottle	Not Regulated	12	\$39.20
LC125006	10L	Cubitainer®	Not Regulated	12	\$67.70
LC125005	20L	Cubitainer®	Not Regulated	12	\$82.30

Buffer Solution pH 10.0 @ 25°C, Color Coded Blue

Traceable to NIST

LC125101	500mL	Poly Bottle	Not Regulated	12	\$12.10
LC125102	1L	Poly Bottle	Not Regulated	12	\$19.70
LC125104	4L	Poly Bottle	Not Regulated	12	\$39.30
LC125106	10L	Cubitainer®	Not Regulated	12	\$65.30
LC125105	20L	Cubitainer®	Not Regulated	12	\$78.50
LC1251020	20x20mL	Pack	Not Regulated	12	\$38.00

Buffer Solution pH 11.0 @ 25°C

Traceable to NIST

LC125401	500mL	Poly Bottle	Not Regulated	12	\$16.40
LC125402	1L	Poly Bottle	Not Regulated	12	\$26.20
LC125404	4L	Poly Bottle	Not Regulated	12	\$66.40

Buffer Solution pH 12.0 @ 25°C

Traceable to NIST

LC125601	500mL	Poly Bottle	Not Regulated	12	\$16.40
LC125602	1L	Poly Bottle	Not Regulated	12	\$25.10

Buffer Solution pH 12.45 @ 25°C

Traceable to NIST

LC125621	500mL	Poly Bottle	Not Regulated	12	\$15.40
LC125624	4L	Poly Bottle	Not Regulated	12	\$42.20

Buffer Solution pH 13.0 @ 25°C

Traceable to NIST

LC125651	500mL	Poly Bottle	Not Regulated	12	\$26.20
LC125652	1L	Poly Bottle	Not Regulated	12	\$47.00
LC125654	4L	Poly Bottle	Not Regulated	12	\$83.00
LC125656	10L	Cubitainer®	Not Regulated	12	\$142.80
LC125655	20L	Cubitainer®	Not Regulated	12	\$197.90

Buffer Solution A, for Sulfate

APHA 4500-SO₄²⁻ E

Traceable to NIST

LC125702	1L	Poly Bottle	Not Regulated	36	\$78.80
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Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2012 Price
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Buffer Solution B, for Sulfate

APHA 4500-SO₄²⁻ E
Traceable to NIST

LC125752	1L	Poly Bottle	Not Regulated	36	\$78.80
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Buffer Solution for Arsenic – See Acetate Buffer for Arsenic, Page 1.

Buffer Solution for BOD – See Phosphate Buffer, pH 7.2, Page 62.

Buffer Solution for Bromide – See Acetate Buffer for Bromide, Page 1.

Buffer Solution for Calcium and Magnesium – See Water Hardness Buffer, Page 107.

Buffer Solution for Chlorine – See Acetate Buffer for Chlorine, Page 1.

Buffer Solution for Chlorine – See Phosphate Buffer, pH 6.2–6.5 and pH 7.0, Page 62.

Buffer Solution for Cyanide – See Acetate Buffer for Cyanide, Page 1.

Buffer Solution for Cyanide – See Phosphate Buffer, pH 4.1, Page 62.

Buffer Solution for Fluoride

ASTM D1179-04 B
Traceable to NIST

LC125802	1L	Poly Bottle	Not Regulated	24	\$44.60
LC125804	4L	Poly Bottle	Not Regulated	24	\$69.90

Buffer Solution for Iron – See Ammonium Acetate Buffer, Page 6.

Buffer Solution for Nitrogen (Ammonia) – See Borate Buffer, Page 13.

Buffer Solution for Nitrogen (Nitrate)

APHA 4500-NO₃⁻ D

LC125761	500mL	Amber Glass	Not Regulated	24	\$46.90
LC125762	1L	Amber Glass	Not Regulated	24	\$73.30

Buffer Solution for Phenols – See Phosphate Buffer, pH 6.8, Page 62.



Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2012 Price
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Buffer Solution for Water Hardness – See Water Hardness Buffers, Page 106–107.

Buffer Solution, Giordano, pH 6.4, for Wright's Stain

Traceable to NIST

LC125901	500mL	Poly Bottle	Not Regulated	24	\$16.00
LC125902	1L	Poly Bottle	Not Regulated	24	\$24.90

Buffer, Total Ionic Strength Adjustment – See TISAB II, Page 104.

Cadmium AA Standard, 1000ppm (1mL = 1mg Cd)

Traceable to NIST

LC126007	125mL	Poly Bottle	UN3264, 8, P.G.II	24	\$20.10
LC126001	500mL	Poly Bottle	UN3264, 8, P.G.II	24	\$36.80

Calcium AA Standard, 1000ppm (1mL = 1mg Ca)

Traceable to NIST

LC126507	125mL	Poly Bottle	Not Regulated	24	\$16.90
LC126501	500mL	Poly Bottle	Not Regulated	24	\$35.10

Calcium Carbonate, ACS

LC126901	500g	Poly Bottle	Not Regulated	N/A	\$88.20
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Calcium Carbonate Standard (1mL = 1mg CaCO₃ = 0.4mg Ca), for Hardness

Traceable to NIST

LC127007	125mL	Poly Bottle	Not Regulated	24	\$20.30
LC127001	500mL	Poly Bottle	Not Regulated	24	\$31.10

Calcium Chloride, Dihydrate, ACS

LC127251	500g	Poly Bottle	Not Regulated	N/A	\$83.70
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Calcium Chloride, 2.75% w/v, for BOD

APHA 5210 B				Refrigerated Item	
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Traceable to NIST

LC127301	500mL	Poly Bottle	Not Regulated	12	\$19.20
LC127302	1L	Poly Bottle	Not Regulated	12	\$30.80

Calcium Chloride, 1mL=1mg CaCO₃ – See Calcium Carbonate Standard, Page 22.

Calcium Chloride, 0.02M (0.04N)

Traceable to NIST

LC128001	500mL	Poly Bottle	Not Regulated	24	\$16.40
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Calcium Chloride, 0.025M (0.05N)

Traceable to NIST

LC128051	500mL	Poly Bottle	Not Regulated	24	\$19.80
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Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2012 Price
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Calmagite Indicator, 0.1% Aqueous, for Hardness

APHA 2340 C

LC128507	125mL	Poly Bottle	Not Regulated	24	\$13.20
LC128501	500mL	Poly Bottle	Not Regulated	24	\$21.10

Carbol-Fuchsin Solution (Kinyoun), for Staining Acid-Fast Bacteria

LC128801	500mL	Amber Glass	Not Regulated	12	\$130.80
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**Carbon Standard, 1000ppm, Inorganic (1 mL = 1 mg C),
(Sodium Carbonate-Sodium Bicarbonate)**

LC129007	125mL	Poly Bottle	Not Regulated	24	\$19.10
LC129001	500mL	Poly Bottle	Not Regulated	24	\$28.10

Carbon Standard, 1000ppm, Organic (1 mL = 1 mg C) (Potassium Hydrogen Phthalate)

Traceable to NIST

LC129107	125mL	Poly Bottle	Not Regulated	24	\$19.60
LC129101	500mL	Poly Bottle	Not Regulated	24	\$26.50

Carmine Reagent, for Boron

APHA 4500-B C

LC129151	500mL	Amber Glass	UN1830, 8, P.G.II	12	\$66.80
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**Prices Listed for Ceric Salts and Solutions Are Subject to Change.
Please Call for Current Prices.**

Ceric Ammonium Nitrate, ACS

LC129181	500g	Poly Bottle	UN1477, 5.1, P.G.II	N/A	\$580.00
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**Ceric Ammonium Sulfate Solutions Are Available in Any Size or Concentration.
Please Call for a Quote.**

Ceric Ammonium Sulfate, 0.02N (0.02M) in 1.0N Sulfuric Acid

Traceable to NIST

LC129201	500mL	Amber Glass	UN2796, 8, P.G.II	24	\$120.10
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Ceric Ammonium Sulfate, 0.10N (0.10M) in 1.0N Sulfuric Acid

Traceable to NIST

LC129301	500mL	Amber Glass	UN2796, 8, P.G.II	24	\$58.50
LC129302	1L	Amber Glass	UN2796, 8, P.G.II	24	\$84.80
LC129304	4L	Amber Glass	UN2796, 8, P.G.II	24	\$261.40
LC129306	10L	Cubitainer®	UN2796, 8, P.G.II	24	\$640.90
LC129305	20L	Cubitainer®	UN2796, 8, P.G.II	24	\$1,192.50



Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2012 Price
Chloride Standard, 500ppm (1 mL = 0.5mg Cl⁻) (0.0141N) (NaCl in Water)					
APHA 4500-Cl ⁻ B,C,D, 4500-ClO ₂ E					
<i>Traceable to NIST</i>					
LC130101	500mL	Poly Bottle	Not Regulated	24	\$19.90
LC130102	1L	Poly Bottle	Not Regulated	24	\$33.90
Chloride Standard, 1000ppm (1 mL = 1 mg Cl⁻) (0.0282N) (NaCl in Water)					
APHA 4500-Cl ⁻ E,G					
<i>Traceable to NIST</i>					
LC130007	125mL	Poly Bottle	Not Regulated	24	\$15.40
LC130001	500mL	Poly Bottle	Not Regulated	24	\$31.80
Chloroform, ACS					
LC130401	500mL	Amber Glass	UN1888, 6.1, P.G.III	N/A	\$34.20
LC130402	1L	Amber Glass	UN1888, 6.1, P.G.III	N/A	\$46.20
LC130404	4L	Amber Glass	UN1888, 6.1, P.G.III	N/A	\$191.00
Chloroform-Butanol Reagent, for Organic Acids					
APHA 5560 B					
LC130502	1L	Amber Glass	UN2810, 6.1, P.G.III	24	\$113.70
Chlorophenol Red, Sodium Salt					
LC130707	10g	Amber Glass	Not Regulated	N/A	\$79.20
Chlorophenol Red, 0.04% Aqueous, pH 5.2 – 6.8 Yellow to Red					
LC130807	125mL	Amber Glass	Not Regulated	24	\$13.20
LC130802	1L	Amber Glass	Not Regulated	24	\$29.70
Chromic Acid					
LC130901	500g	Poly Bottle	UN1463, 5.1(6.1,8), P.G.II	N/A	\$89.50
Chromic Acid, 10% w/v					
<i>Traceable to NIST</i>					
LC131001	500mL	Poly Bottle	UN1755, 8, P.G.II	24	\$31.30
LC131002	1L	Poly Bottle	UN1755, 8, P.G.II	24	\$51.40
LC131004	4L	Poly Bottle	UN1755, 8, P.G.II	24	\$100.10
Chromium AA Standard, 1000ppm (1 mL = 1 mg Cr)					
<i>Traceable to NIST</i>					
LC131207	125mL	Poly Bottle	Not Regulated	24	\$16.50
LC131201	500mL	Poly Bottle	Not Regulated	24	\$36.50
Citrate-Cyanide Reducing Solution, for Lead					
APHA 3500-Pb B					
LC131301	500mL	Poly Bottle	UN1935, 6.1, P.G.III	24	\$28.60
Citric Acid, Anhydrous, ACS					
LC131401	500g	Poly Bottle	Not Regulated	N/A	\$135.20



Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2012 Price
Citric Acid, 10% w/v					
<i>Traceable to NIST</i>					
LC131501	500mL	Poly Bottle	Not Regulated	24	\$20.00
LC131502	1L	Poly Bottle	Not Regulated	24	\$33.00
LC131504	4L	Poly Bottle	Not Regulated	24	\$69.10
Citric Acid, 1.0M (3.0N), for Radium					
APHA 7500-Ra B					
<i>Traceable to NIST</i>					
LC131801	500mL	Poly Bottle	Not Regulated	24	\$32.00
LC131802	1L	Poly Bottle	Not Regulated	24	\$53.30
Cobalt AA Standard, 1000ppm (1 mL = 1 mg Co)					
<i>Traceable to NIST</i>					
LC132307	125mL	Poly Bottle	Not Regulated	24	\$17.50
LC132301	500mL	Poly Bottle	Not Regulated	24	\$41.80
Cobalt Nitrate, 8% w/v					
TAPPI T421 om-97					
LC132207	125mL	Poly Bottle	Not Regulated	24	\$24.60
Cobaltous Chloride, Hexahydrate, ACS					
LC131901	500g	Poly Bottle	UN3260, 8, P.G.III	N/A	\$133.30
Cobaltous Chloride, 1.2% w/v, for Nitrogen (Ammonia), Nitrogen (Organic)					
APHA 4500-NH ₃ C (17th/18th Ed.), 4500-Norg B (17th Ed.)					
LC132001	500mL	Poly Bottle	UN1789, 8, P.G.II	24	\$31.90
COD Standard, 300ppm (1 mL = 0.3mg COD) (Potassium Acid Phthalate in Water)					
<i>Traceable to NIST</i>					
LC132401	500mL	Poly Bottle	Not Regulated	24	\$20.90
COD Standard, 1000ppm (1 mL = 1 mg COD) (Potassium Acid Phthalate in Water)					
<i>Traceable to NIST</i>					
LC132451	500mL	Poly Bottle	Not Regulated	24	\$21.00
Color Reagent for Chloride					
APHA 4500-Cl ⁻ E,G					
LC132601	500mL	Amber Glass	Not Regulated	24	\$39.30
LC132602	1L	Amber Glass	Not Regulated	24	\$57.30
LC132604	4L	Amber Glass	Not Regulated	24	\$139.90
Color Reagent for Nitrogen (Nitrate), for Automated Cadmium Reduction Method					
APHA 4500-NO ₃ ⁻ F				Refrigerated Item	
LC132801	500mL	Amber Glass	UN1805, 8, P.G.III	3	\$43.30
LC132802	1L	Amber Glass	UN1805, 8, P.G.III	3	\$69.70
LC132804	4L	Amber Glass	UN1805, 8, P.G.III	3	\$208.90



Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2012 Price
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Color Standards Contain Platinum. Prices Are Subject to Change.
Please Call for Current Prices.

Color Standard, Pt-Co, 10 Units APHA

APHA 2120 B

Traceable to NIST

LC132911	500mL	Amber Glass	Not Regulated	12	\$150.70
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Color Standard, Pt-Co, 20 Units APHA

APHA 2120 B

Traceable to NIST

LC132921	500mL	Amber Glass	Not Regulated	12	\$150.70
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Color Standard, Pt-Co, 25 Units APHA

APHA 2120 B

Traceable to NIST

LC132931	500mL	Amber Glass	Not Regulated	12	\$170.40
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Color Standard, Pt-Co, 50 Units APHA

APHA 2120 B

Traceable to NIST

LC132941	500mL	Amber Glass	Not Regulated	12	\$170.40
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Color Standard, Pt-Co, 100 Units APHA

APHA 2120 B

Traceable to NIST

LC132951	500mL	Amber Glass	Not Regulated	24	\$170.40
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Color Standard, Pt-Co, 500 Units APHA, Stock Solution

APHA 2120 B

Traceable to NIST

LC133007	125mL	Amber Glass	UN1789, 8, P.G.II	24	\$94.40
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LC133001	500mL	Amber Glass	UN1789, 8, P.G.II	24	\$216.40
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LC133002	1L	Amber Glass	UN1789, 8, P.G.II	24	\$396.90
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Conditioning Reagent, for Sulfate

ASTM D516-90

LC133201	500mL	Poly Bottle	UN1789, 8, P.G.III	24	\$34.90
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Conductivity Standard, 84µmho/cm

Traceable to NIST

LC187501	500mL	Poly Bottle	Not Regulated	24	\$26.80
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Conductivity Standard, 447µmho/cm

Traceable to NIST

LC187551	500mL	Poly Bottle	Not Regulated	24	\$26.90
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Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2012 Price
Conductivity Standard, 500μmho/cm					
<i>Traceable to NIST</i>					
LC187602	1L	Poly Bottle	Not Regulated	24	\$26.80
Conductivity Standard, 717μmho/cm					
<i>Traceable to NIST</i>					
LC187652	1L	Poly Bottle	Not Regulated	24	\$28.80
Conductivity Standard, 1000μmho/cm					
<i>Traceable to NIST</i>					
LC187712	1L	Poly Bottle	Not Regulated	24	\$25.20
Conductivity Standard, 1409μmho/cm					
<i>Traceable to NIST</i>					
LC187802	1L	Poly Bottle	Not Regulated	24	\$28.20
LC187806	10L	Cubitainer®	Not Regulated	24	\$114.10
Conductivity Standard, 1500μmho/cm					
<i>Traceable to NIST</i>					
LC187861	500mL	Poly Bottle	Not Regulated	24	\$27.50
Conductivity Standard, 2000μmho/cm					
<i>Traceable to NIST</i>					
LC187732	1L	Poly Bottle	Not Regulated	24	\$28.10
Conductivity Standard, 2765μmho/cm					
<i>Traceable to NIST</i>					
LC187722	1L	Poly Bottle	Not Regulated	24	\$30.60
Conductivity Standard, 3000μmho/cm					
<i>Traceable to NIST</i>					
LC187742	1L	Poly Bottle	Not Regulated	24	\$33.60
Conductivity Standard, 5000μmho/cm					
<i>Traceable to NIST</i>					
LC187752	1L	Poly Bottle	Not Regulated	24	\$32.10
Conductivity Standard, 8974μmho/cm					
<i>Traceable to NIST</i>					
LC187871	500mL	Poly Bottle	Not Regulated	24	\$30.00
Conductivity Standard, 10,000μmho/cm					
<i>Traceable to NIST</i>					
LC187772	1L	Poly Bottle	Not Regulated	24	\$37.40
Conductivity Standard, 12,856μmho/cm					
<i>Traceable to NIST</i>					
LC187792	1L	Poly Bottle	Not Regulated	24	\$38.90



Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2012 Price
Conductivity Standard, 15,000µmho/cm					
<i>Traceable to NIST</i>					
LC187891	500mL	Poly Bottle	Not Regulated	24	\$27.90
Conductivity Standard, 100,000µmho/cm					
<i>Traceable to NIST</i>					
LC187912	1L	Poly Bottle	Not Regulated	24	\$45.30
Congo Red					
LC133507	10g	Amber Glass	Not Regulated	N/A	\$48.80
Congo Red Indicator, 0.1% w/v, pH 3.0 – 5.0 Blue to Red					
LC133607	125mL	Poly Bottle	Not Regulated	24	\$9.80
LC133601	500mL	Poly Bottle	Not Regulated	24	\$25.10
Congo Red Paper, Test Strips					
LC133808	Vial	Vial	Not Regulated	N/A	\$7.10
Copper AA Standard, 1000ppm (1mL = 1mg Cu)					
<i>Traceable to NIST</i>					
LC134007	125mL	Poly Bottle	UN3264, 8, P.G.II	24	\$16.50
LC134001	500mL	Poly Bottle	UN3264, 8, P.G.II	24	\$39.00
Copper Sulfate, Pentahydrate, ACS					
LC134051	500g	Poly Bottle	UN3077, 9, P.G.III	N/A	\$40.60
Copper Sulfate, Sp.Gr. 1.186 @ 18.4°C					
LC134452	1L	Poly Bottle	Not Regulated	24	\$27.70
LC134454	4L	Poly Bottle	Not Regulated	24	\$62.70
Copper Sulfate, 2g/L, for Morpholine					
ASTM D1942-80					
LC134101	500mL	Poly Bottle	Not Regulated	24	\$20.90
Copper Sulfate, 2% w/v, for Nitrogen (Nitrate)					
APHA 4500-NO ₃ ⁻ E,F, ASTM D3867-04 A,B					
<i>Traceable to NIST</i>					
LC134201	500mL	Poly Bottle	Not Regulated	24	\$16.70
LC134202	1L	Poly Bottle	Not Regulated	24	\$25.00
LC134204	4L	Poly Bottle	Not Regulated	24	\$75.60
Copper Sulfate, 10% w/v					
<i>Traceable to NIST</i>					
LC134401	500mL	Poly Bottle	Not Regulated	24	\$18.10
LC134402	1L	Poly Bottle	Not Regulated	24	\$29.90
LC134404	4L	Poly Bottle	Not Regulated	24	\$55.70



Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2012 Price
Copper Sulfate, 0.01M (0.01N)					
TAPPI T504 cm-97 <i>Traceable to NIST</i>					
LC134422	1L	Poly Bottle	Not Regulated	24	\$18.40
Copper Sulfate, 0.02M (0.02N)					
TAPPI T504 cm-97 <i>Traceable to NIST</i>					
LC134432	1L	Poly Bottle	Not Regulated	24	\$19.70
Copper Sulfate – Hydrochloric Acid					
LC134504	4L	Poly Bottle	UN1789, 8, P.G.II	24	\$53.50
Copper Sulfate – Sulfamic Acid, for Dissolved Oxygen					
APHA 4500-O F					
LC134702	1L	Poly Bottle	Not Regulated	24	\$43.50
o-Cresolphthalein, 0.2% Alcoholic					
TAPPI T624 cm-00					
LC135397	125mL	Poly Bottle	UN1170, 3, P.G.II	12	\$23.50
m-Cresol Purple, Sodium Salt					
LC134907	10g	Amber Glass	Not Regulated	N/A	\$142.20
m-Cresol Purple, 0.1% Aqueous, pH 1.2 – 2.8 Red to Yellow, pH 7.4 – 9.0 Yellow to Purple					
LC135001	500mL	Poly Bottle	Not Regulated	24	\$20.50
Cresol Red, Sodium Salt					
LC135107	10g	Amber Glass	Not Regulated	N/A	\$39.60
Cresol Red, 0.04% Aqueous, pH 0.2 – 1.8 Red to Yellow, pH 7.2 – 8.8 Yellow to Purple					
LC135207	125mL	Poly Bottle	Not Regulated	24	\$13.80
LC135201	500mL	Poly Bottle	Not Regulated	24	\$22.00
Cresol Red – Thymol Blue, Aqueous, Mid Range pH 8.3 Yellow to Violet					
LC135407	125mL	Poly Bottle	Not Regulated	24	\$21.10
Crystal Violet, 1% w/v in Glacial Acetic Acid, for Non-Aqueous Titrations					
LC135417	125mL	Amber Glass	UN2789, 8(3), P.G.II	12	\$21.60
Crystal Violet – See Also Gentian Violet, Page 39.					
Cupriethylenediamine, 1.0M					
TAPPI T230 om-99, T254 cm-00				Refrigerated Item	
LC135432	1L	Amber Glass	UN1761, 8(6.1), P.G.II	12	\$60.50
LC135434	4L	Amber Glass	UN1761, 8(6.1), P.G.II	12	\$180.00



Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2012 Price
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Cyanide Indicator – See Indicator Solution for Cyanide, Page 46.

Cyanide Standard, 1000ppm (1 mL = 1 mg CN⁻)

APHA 4500-CN⁻ E,F,H,I,J,K

Traceable to NIST

LC135457	125mL	Poly Bottle	Not Regulated	6	\$17.50
LC135451	500mL	Poly Bottle	Not Regulated	6	\$39.30
LC135452	1L	Poly Bottle	Not Regulated	6	\$50.40

Diammonium Hydrogen Phosphate – See Ammonium Phosphate, Page 10.

Dichlorofluorescein

LC135707	10g	Amber Glass	Not Regulated	N/A	\$88.00
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Dichlorofluorescein, 0.1% Alcoholic

LC135807	125mL	Poly Bottle	UN1170, 3, P.G.III	24	\$24.90
LC135801	500mL	Poly Bottle	UN1170, 3, P.G.III	24	\$46.80

Digestion Mixture for Nitrogen – See Acid Digestion Reagent, Page 4.

Diluting Fluid for CSF (Cerebrospinal Fluid)

LC135857	125mL	Poly Bottle	Not Regulated	24	\$18.50
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Diluting Fluid for Sperm

LC135877	125mL	Poly Bottle	Not Regulated	24	\$18.40
LC135871	500mL	Poly Bottle	Not Regulated	24	\$25.80

p-Dimethylaminobenzaldehyde

LC135899	100g	Amber Glass	Not Regulated	N/A	\$111.00
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p-Dimethylaminobenzaldehyde Solution, 1.8%, for Hydrazine, Nickel

ASTM D1385-01

LC135908	250mL	Amber Glass	UN2924, 3(8), P.G.II	3	\$33.70
LC135901	500mL	Amber Glass	UN2924, 3(8), P.G.II	3	\$50.60

p-Dimethylaminobenzalrhodanine – See Indicator Solution for Cyanide, Page 46.

Dimethylglyoxime

LC135969	100g	Poly Bottle	Not Regulated	N/A	\$35.20
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Dimethylglyoxime, 1% Alcoholic, for Nickel

APHA 3500-Ni D,E

LC136007	125mL	Poly Bottle	UN1170, 3, P.G.II	24	\$16.40
LC136001	500mL	Poly Bottle	UN1170, 3, P.G.II	24	\$24.20



Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2012 Price
Diphenylamine, ACS					
LC136109	100g	Amber Glass	Not Regulated	N/A	\$39.20
Diphenylamine, 0.3% in 50% Sulfuric Acid					
LC136401	500mL	Amber Glass	UN1830, 8, P.G.II	24	\$57.50
Diphenylamine, 1% in Sulfuric Acid					
LC136507	125mL	Amber Glass	UN1830, 8, P.G.II	12	\$34.80
LC136501	500mL	Amber Glass	UN1830, 8, P.G.II	12	\$62.10
Diphenylcarbazide					
LC136558	25g	Amber Glass	Not Regulated	N/A	\$71.00
Diphenylcarbazide, 0.5% in Acetone, for Chromium					
APHA 3500-Cr B					
LC136707	125mL	Amber Poly	UN1090, 3, P.G.II	6	\$34.80
LC136701	500mL	Amber Poly	UN1090, 3, P.G.II	6	\$67.30
Diphenylcarbazide, 1% Alcoholic					
LC136607	125mL	Amber Poly	UN1170, 3, P.G.II	24	\$33.90
s-Diphenylcarbazone, ACS					
LC136757	10g	Amber Glass	UN1325, 4.1, P.G.III	N/A	\$48.60
Diphenylcarbazone-Bromophenol Blue, for Chloride					
APHA 4500-Cl ⁻ C, ASTM D512-04 A					
LC136807	125mL	Amber Poly	UN1993, 3, P.G.II	12	\$25.70
LC136801	500mL	Amber Poly	UN1993, 3, P.G.II	12	\$52.20
LC136802	1L	Amber Poly	UN1993, 3, P.G.II	12	\$83.40
Diphenylcarbazone-Xylene Cyanol FF, for Chloride					
APHA 4500-Cl ⁻ C				Refrigerated Item	
LC136827	125mL	Amber Glass	UN1993, 3, P.G.II	6	\$27.10
Diphenylthiocarbazon (Dithizone)					
LC136877	10g	Amber Glass	Not Regulated	N/A	\$85.70
Diphenylthiocarbazon (Dithizone) Solution					
TAPPI T421 om-97					
LC136882	1L	Amber Glass	UN1888, 6.1, P.G.III	12	\$61.60
Disodium Bathocuproine					
LC136847	1g	Amber Glass	Not Regulated	N/A	\$92.20
Disodium Bathocuproine, 0.1%, for Copper					
APHA 3500-Cu C					
LC136851	500mL	Poly Bottle	Not Regulated	24	\$167.00



Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2012 Price
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Doctors Solution, Sodium Plumbite

Traceable to NIST

LC136902	1L	Poly Bottle	UN1824, 8, P.G.II	24	\$32.50
LC136904	4L	Poly Bottle	UN1824, 8, P.G.II	24	\$72.90

DPD Solution, for Chlorine, Chlorine Dioxide

APHA 4500-Cl F,G, 4500-ClO₂ D (20th Ed.)

Refrigerated Item

LC137001	500mL	Amber Glass	Not Regulated	4	\$42.50
LC137002	1L	Amber Glass	Not Regulated	4	\$61.80
LC137004	4L	Amber Glass	Not Regulated	4	\$194.20

EDTA, Disodium, Dihydrate, ACS

LC137507	100g	Poly Bottle	Not Regulated	N/A	\$58.30
LC137501	500g	Poly Bottle	Not Regulated	N/A	\$77.20

EDTA Magnesium – See Magnesium EDTA, Page 50.

EDTA Decontaminating Solution, for Radium

APHA 7500-Ra C

LC138002	1L	Poly Bottle	Not Regulated	24	\$33.70
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EDTA Reagent, 5% w/v, for Nitrogen (Ammonia), Nitrogen (Organic)

APHA 4500-NH₃ G, 4500-Norg B

LC139301	500mL	Poly Bottle	Not Regulated	24	\$29.70
LC139302	1L	Poly Bottle	Not Regulated	24	\$40.20

EDTA, 50% w/v, for Nitrogen (Ammonia), Nitrogen (Organic)

APHA 4500-NH₃ C (18th Ed.), 4500-Norg B (18th Ed.),
ASTM D1426-08 A

LC139501	500mL	Poly Bottle	Not Regulated	24	\$54.50
LC139502	1L	Poly Bottle	Not Regulated	24	\$81.40

EDTA Solutions Are Available in Any Size or Concentration. Please Call for a Quote.

EDTA, 0.005M (0.01N)

TAPPI T665 cm-02

Traceable to NIST

LC138202	1L	Poly Bottle	Not Regulated	24	\$21.80
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Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2012 Price
EDTA, 0.01M (0.02N), Titrant for Water Hardness, (1 mL = 1 mg CaCO₃)					
APHA 2340 C <i>Traceable to NIST</i>					
LC138501	500mL	Poly Bottle	Not Regulated	24	\$13.00
LC138502	1L	Poly Bottle	Not Regulated	24	\$17.50
LC138504	4L	Poly Bottle	Not Regulated	24	\$32.80
LC138506	10L	Cubitainer®	Not Regulated	24	\$69.20
LC138505	20L	Cubitainer®	Not Regulated	24	\$94.10
EDTA, 0.05M (0.1N)					
<i>Traceable to NIST</i>					
LC138701	500mL	Poly Bottle	Not Regulated	24	\$22.40
LC138702	1L	Poly Bottle	Not Regulated	24	\$25.10
LC138704	4L	Poly Bottle	Not Regulated	24	\$55.70
LC138705	20L	Cubitainer®	Not Regulated	24	\$162.00
EDTA, 0.0575M (0.115N)					
<i>Traceable to NIST</i>					
LC138802	1L	Poly Bottle	Not Regulated	24	\$31.00
LC138804	4L	Poly Bottle	Not Regulated	24	\$55.70
LC138806	10L	Cubitainer®	Not Regulated	24	\$131.90
LC138805	20L	Cubitainer®	Not Regulated	24	\$169.40
EDTA, 0.1M (0.2N)					
<i>Traceable to NIST</i>					
LC139001	500mL	Poly Bottle	Not Regulated	24	\$22.30
LC139002	1L	Poly Bottle	Not Regulated	24	\$31.50
LC139004	4L	Poly Bottle	Not Regulated	24	\$80.40
LC139006	10L	Cubitainer®	Not Regulated	24	\$135.10
LC139005	20L	Cubitainer®	Not Regulated	24	\$161.50
EDTA, 0.25M (0.5N)					
<i>Traceable to NIST</i>					
LC139101	500mL	Poly Bottle	Not Regulated	24	\$43.70
LC139102	1L	Poly Bottle	Not Regulated	24	\$62.30
Ehrlich's Reagent					
TAPPI T504 cm-97					
LC140802	1L	Amber Glass	UN1993, 3, P.G.II	3	\$55.90
Electrode Fill Solution, for Nitrate					
APHA 4500-NO ₃ ⁻ D					
LC178901	500mL	Poly Bottle	Not Regulated	24	\$38.50



Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2012 Price
Electrode Filling Solutions – See Potassium Chloride, Page 66.					

Electrode Storage Solution

LC140201	500mL	Poly Bottle	Not Regulated	24	\$20.20
LC140202	1L	Poly Bottle	Not Regulated	24	\$29.30
LC140204	4L	Poly Bottle	Not Regulated	24	\$84.10

Eosin Y

LC140258	25g	Amber Glass	Not Regulated	N/A	\$33.00
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Eosin Y, 1% Alcoholic

LC140301	500mL	Poly Bottle	UN1170, 3, P.G.II	24	\$35.90
LC140302	1L	Poly Bottle	UN1170, 3, P.G.II	24	\$59.10

Eriochrome® Black T

LC140358	25g	Amber Glass	Not Regulated	N/A	\$32.40
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Eriochrome® Black T, Dry Form in NaCl, for Hardness

APHA 2340 C, ASTM D1126-96, D511-08 A

LC140509	100g	Poly Bottle	Not Regulated	36	\$18.00
LC140501	500g	Poly Bottle	Not Regulated	36	\$56.40

Eriochrome® Black T in Methoxymethanol, for Hardness

APHA 2340 C

LC140407	125mL	Amber Glass	UN1188, 3, P.G.III	36	\$12.00
LC140401	500mL	Amber Glass	UN1188, 3, P.G.III	36	\$19.70
LC140402	1L	Amber Glass	UN1188, 3, P.G.III	36	\$36.70

Eriochrome® Blue-Black R

LC140558	25g	Amber Glass	Not Regulated	N/A	\$20.50
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Eriochrome® Blue-Black R, Dry Form in NaCl, for Calcium

APHA 3500-Ca B

LC140609	100g	Poly Bottle	Not Regulated	36	\$24.20
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Ethanol-Benzene Mixture, 1:2

TAPPI T204 cm-97, T222 cm-02

LC141004	4L	Amber Glass	UN1993, 3, P.G.II	24	\$44.00
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Ethyl Alcohol Solutions – See Reagent Alcohol, Page 77.

Ethylenediamine, 70% Technical Grade

TAPPI T254 cm-00

Traceable to NIST

LC141402	1L	Poly Bottle	UN1604, 8(3), P.G.II	12	\$75.10
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Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2012 Price
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Ethylene Glycol Monoethyl Ether

TAPPI T552 cm-02

LC141604	4L	Amber Glass	UN1171, 3, P.G.III	N/A	\$90.50
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Extraction Solvent (4mL/L Hydrochloric Acid in Reagent Alcohol)

TAPPI T408 cm-97

LC141804	4L	Poly Bottle	UN1993, 3, P.G.II	24	\$48.30
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Fehlings Solution "A", Copper No. 1

Traceable to NIST

LC142001	500mL	Poly Bottle	Not Regulated	24	\$13.50
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LC142002	1L	Poly Bottle	Not Regulated	24	\$19.20
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LC142004	4L	Poly Bottle	Not Regulated	24	\$45.20
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LC142006	10L	Cubitainer®	Not Regulated	24	\$100.10
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LC142005	20L	Cubitainer®	Not Regulated	24	\$143.90
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Fehling's Solution "B", Alkaline No. 2

LC142101	500mL	Poly Bottle	UN1824, 8, P.G.II	24	\$18.40
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LC142102	1L	Poly Bottle	UN1824, 8, P.G.II	24	\$30.40
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LC142104	4L	Poly Bottle	UN1824, 8, P.G.II	24	\$75.60
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LC142106	10L	Cubitainer®	UN1824, 8, P.G.II	24	\$164.80
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LC142105	20L	Cubitainer®	UN1824, 8, P.G.II	24	\$203.90
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Ferric Alum Indicator – See Ferric Ammonium Sulfate, 8%, Page 35.

Ferric Ammonium Sulfate, Dodecahydrate, ACS

LC142601	500g	Poly Bottle	Not Regulated	N/A	\$62.10
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Ferric Ammonium Sulfate, 8%, For Chloride (Volhard's Indicator)

LC142701	500mL	Poly Bottle	Not Regulated	24	\$31.60
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LC142702	1L	Poly Bottle	Not Regulated	24	\$61.40
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Ferric Ammonium Sulfate, Saturated

TAPPI T613-00, T624 cm-00

LC142757	125mL	Poly Bottle	Not Regulated	24	\$15.40
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LC142752	1L	Poly Bottle	Not Regulated	24	\$61.90
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Ferric Chloride Solutions Are Available in Any Size or Concentration. Please Call for a Quote.

Ferric Chloride Hexahydrate, ACS

LC142901	500g	Poly Bottle	UN3260, 8, P.G.III	N/A	\$40.50
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Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2012 Price
Ferric Chloride, 0.025% w/v as Hexahydrate, for BOD					
APHA 5210 B					
LC143001	500mL	Poly Bottle	Not Regulated	24	\$19.30
LC143002	1L	Poly Bottle	Not Regulated	24	\$26.80
Ferric Chloride, 10% w/v as Hexahydrate					
<i>Traceable to NIST</i>					
LC143601	500mL	Poly Bottle	UN2582, 8, P.G.III	24	\$23.50
Ferric Chloride, 40% w/v as Hexahydrate					
<i>Traceable to NIST</i>					
LC143702	1L	Poly Bottle	UN2582, 8, P.G.III	36	\$79.60
LC143704	4L	Poly Bottle	UN2582, 8, P.G.III	36	\$251.60
Ferric Chloride, Oxidizing Solution, for Cyanide					
APHA 4500-CN ⁻ B					
LC143301	500mL	Poly Bottle	Not Regulated	24	\$23.80
Ferric Chloride Solution (100g in 40mL water), for Sulfide					
APHA 4500-S ²⁻ D					
LC143807	125mL	Poly Bottle	UN2582, 8, P.G.III	24	\$35.10
LC143801	500mL	Poly Bottle	UN2582, 8, P.G.III	24	\$106.20
Ferric Nitrate, Nonahydrate, ACS					
LC144101	500g	Poly Bottle	UN1466, 5.1, P.G.III	N/A	\$62.00
Ferric Nitrate Solution, for Chloride					
APHA 4500-Cl ⁻ E,G					
LC144201	500mL	Amber Poly	UN3264, 8, P.G.II	24	\$88.20
LC144202	1L	Amber Poly	UN3264, 8, P.G.II	24	\$131.60
Ferriin Oxidation-Reduction Indicator					
APHA 5220 B,C,D					
LC144507	125mL	Amber Glass	Not Regulated	36	\$28.40
LC144501	500mL	Amber Glass	Not Regulated	36	\$86.90
Ferrous Ammonium Sulfate, Hexahydrate, ACS					
LC144601	500g	Poly Bottle	Not Regulated	N/A	\$93.20



Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2012 Price
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Ferrous Ammonium Sulfate Solutions Are Available in Any Size or Concentration. Please Call for a Quote.

Ferrous Ammonium Sulfate Titrant, 0.00282N (0.00282M) for Chlorine, Chlorine Dioxide (1mL = 0.1mg Cl)

APHA 4500-Cl F,G, 4500-ClO₂ D (20th Ed.)

Traceable to NIST

LC145501	500mL	Amber Glass	Not Regulated	6	\$22.40
LC145502	1L	Amber Glass	Not Regulated	6	\$30.60
LC145504	4L	Amber Glass	Not Regulated	6	\$70.60

Ferrous Ammonium Sulfate, 0.05M (0.05N), for Nitrogen (Nitrite)

APHA 4500-NO₂⁻ B

Traceable to NIST

LC144802	1L	Amber Glass	UN3264, 8, P.G.II	3	\$45.70
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Ferrous Ammonium Sulfate, 0.1N (0.1M)

APHA 5220 B,C,D

Traceable to NIST

LC145002	1L	Amber Glass	UN3264, 8, P.G.II	12	\$31.90
LC145004	4L	Amber Glass	UN3264, 8, P.G.II	12	\$79.40
LC145005	20L	Cubitainer®	UN3264, 8, P.G.II	12	\$227.50

Ferrous Ammonium Sulfate, 0.25N (0.25M)

APHA 5220 B,C,D

Traceable to NIST

LC145302	1L	Amber Glass	UN3264, 8, P.G.II	12	\$39.20
LC145304	4L	Amber Glass	UN3264, 8, P.G.II	12	\$86.10

Ferrous Ammonium Sulfate, 0.4N (0.4M)

Traceable to NIST

LC145404	4L	Amber Glass	UN3264, 8, P.G.II	12	\$138.50
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Ferrous Ammonium Sulfate Solution

TAPPI T429 cm-01

LC145452	1L	Amber Glass	UN3264, 8, P.G.II	12	\$53.30
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Fluoride Buffer, APHA – See TISAB II, Page 104.

Fluoride Buffer, ASTM – See Buffer Solution for Fluoride, Page 21.

Fluoride Standard, 0.5 ppm (1mL = 0.0005mg F⁻)

Traceable to NIST

LC145551	500mL	Poly Bottle	Not Regulated	12	\$23.70
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Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2012 Price
Fluoride Standard, 1 ppm (1 mL = 0.001mg F⁻)					
APHA 4500-F ⁻ C <i>Traceable to NIST</i>					
LC145601	500mL	Poly Bottle	Not Regulated	12	\$25.40
LC145602	1L	Poly Bottle	Not Regulated	12	\$37.90
Fluoride Standard, 5 ppm (1 mL = 0.005mg F⁻)					
<i>Traceable to NIST</i>					
LC145651	500mL	Poly Bottle	Not Regulated	12	\$28.00
Fluoride Standard, 10 ppm (1 mL = 0.01mg F⁻)					
APHA 4500-F ⁻ C <i>Traceable to NIST</i>					
LC145701	500mL	Poly Bottle	Not Regulated	12	\$29.60
Fluoride Standard, 100 ppm (1 mL = 0.1mg F⁻)					
APHA 4500-F ⁻ C <i>Traceable to NIST</i>					
LC145801	500mL	Poly Bottle	Not Regulated	12	\$29.70
Fluoride Standard, 1000 ppm (1 mL = 1 mg F⁻)					
APHA 4500-F ⁻ C <i>Traceable to NIST</i>					
LC146001	500mL	Poly Bottle	Not Regulated	24	\$32.90
LC146002	1L	Poly Bottle	Not Regulated	24	\$47.00
Fluoride Standard, 0.5 ppm F⁻ Premixed with Equal Volume of TISAB II					
<i>Traceable to NIST</i>					
LC146101	500mL	Poly Bottle	Not Regulated	12	\$31.10
LC146102	1L	Poly Bottle	Not Regulated	12	\$49.10
Fluoride Standard, 1 ppm F⁻ Premixed with Equal Volume of TISAB II					
<i>Traceable to NIST</i>					
LC146201	500mL	Poly Bottle	Not Regulated	12	\$37.20
LC146202	1L	Poly Bottle	Not Regulated	12	\$45.30
LC146204	4L	Poly Bottle	Not Regulated	12	\$123.50
Fluoride Standard, 2 ppm F⁻ Premixed with Equal Volume of TISAB II					
<i>Traceable to NIST</i>					
LC146301	500mL	Poly Bottle	Not Regulated	12	\$34.10
LC146302	1L	Poly Bottle	Not Regulated	12	\$49.20
LC146304	4L	Poly Bottle	Not Regulated	12	\$117.60
Fluoride Standard, 5 ppm F⁻ Premixed with Equal Volume of TISAB II					
<i>Traceable to NIST</i>					
LC146352	1L	Poly Bottle	Not Regulated	12	\$45.10
LC146354	4L	Poly Bottle	Not Regulated	12	\$123.20



Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2012 Price
Fluoride Standard, 10 ppm F⁻ Premixed with Equal Volume of TISAB II					
<i>Traceable to NIST</i>					
LC146401	500mL	Poly Bottle	Not Regulated	12	\$38.40
LC146402	1L	Poly Bottle	Not Regulated	12	\$69.70
LC146404	4L	Poly Bottle	Not Regulated	12	\$172.80
Formaldehyde, 37% w/w, ACS					
LC146501	500mL	Poly Bottle	UN1198, 3(8), P.G.III	N/A	\$23.60
LC146502	1L	Poly Bottle	UN1198, 3(8), P.G.III	N/A	\$33.30
LC146504	4L	Poly Bottle	UN1198, 3(8), P.G.III	N/A	\$44.00
LC146506	10L	Cubitainer®	UN1198, 3(8), P.G.III	N/A	\$93.80
LC146505	20L	Cubitainer®	UN1198, 3(8), P.G.III	N/A	\$118.20
Formaldehyde, 10% v/v, Buffered (Formalin)					
<i>Traceable to NIST</i>					
LC146702	1L	Poly Bottle	Not Regulated	24	\$20.20
LC146704	4L	Poly Bottle	Not Regulated	24	\$34.40
LC146706	10L	Cubitainer®	Not Regulated	24	\$82.10
LC146705	20L	Cubitainer®	Not Regulated	24	\$111.50
Formaldehyde, 10% v/v, Unbuffered (Formalin)					
<i>Traceable to NIST</i>					
LC146602	1L	Poly Bottle	Not Regulated	24	\$27.50
LC146604	4L	Poly Bottle	Not Regulated	24	\$42.80
LC146606	10L	Cubitainer®	Not Regulated	24	\$88.00
LC146605	20L	Cubitainer®	Not Regulated	24	\$108.10
Formaldehyde–Sodium Carbonate Solution					
TAPPI T622 cm-01					
<i>Traceable to NIST</i>					
LC146801	500mL	Poly Bottle	Not Regulated	24	\$23.90
Gentian Violet					
LC147908	25g	Amber Glass	Not Regulated	N/A	\$36.30
Gentian Violet, 1% Alcoholic					
LC148001	500mL	Poly Bottle	UN1170, 3, P.G.II	36	\$25.10
Gentian Violet, 1% Aqueous					
LC148107	125mL	Poly Bottle	Not Regulated	36	\$12.70
LC148101	500mL	Poly Bottle	Not Regulated	36	\$24.60
Gentian Violet, 2% Methanolic					
LC148307	125mL	Poly Bottle	UN1993, 3, P.G.II	24	\$15.00
Giemsa Stain					
LC148357	10g	Amber Glass	Not Regulated	N/A	\$97.00



Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2012 Price
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Giemsa Stain Solution

LC148407	125mL	Poly Bottle	UN1993, 3, P.G.III	24	\$24.00
LC148401	500mL	Poly Bottle	UN1993, 3, P.G.III	24	\$55.40

Glucose–Glutamic Acid, for BOD (Sterilized)

APHA 5210 B

LC148457	125mL	Amber Glass	Not Regulated	24	\$17.20
LC148451	500mL	Amber Glass	Not Regulated	24	\$31.50
LC148452	1L	Amber Glass	Not Regulated	24	\$45.30
LC14845246	24X6mL	Vial	Not Regulated	24	\$59.80
LC14845486	48X6mL	Vial	Not Regulated	24	\$112.50

Glycerin, Reagent

LC148501	500mL	Poly Bottle	Not Regulated	N/A	\$32.10
LC148502	1L	Poly Bottle	Not Regulated	N/A	\$53.10

Glycerin, 50% v/v, (1+1)

LC148701	500mL	Poly Bottle	Not Regulated	36	\$29.00
LC148702	1L	Poly Bottle	Not Regulated	36	\$38.20

Glycine, ACS

LC148751	500g	Poly Bottle	Not Regulated	N/A	\$45.60
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Glycine, 7% w/v, for Ozone

APHA 4500–O₃ B

Refrigerated Item

LC148787	125mL	Poly Bottle	Not Regulated	12	\$27.50
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Glycine, 10% w/v, for Chlorine Dioxide

APHA 4500–ClO₂ D (20th Ed.)

Refrigerated Item

LC148801	500mL	Poly Bottle	Not Regulated	12	\$25.80
LC148802	1L	Poly Bottle	Not Regulated	12	\$30.70

Glycine, 20% w/v, for Chlorine, Chlorine Dioxide

APHA 4500–Cl F, 4500–ClO₂ D (20th Ed.)

Refrigerated Item

LC148851	500mL	Poly Bottle	Not Regulated	24	\$35.80
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**Prices Listed for Gold Salts and Solutions Are Subject to Change.
Please Call for Current Prices.**

Gold AA Standard, 1000 ppm (1 mL = 1 mg Au)

Traceable to NIST

LC148907	125mL	Amber Glass	UN3264, 8, P.G.II	18	\$51.90
LC148901	500mL	Amber Glass	UN3264, 8, P.G.II	18	\$143.30

Gold Chloride, Trihydrate, ACS

Refrigerated Item

LC148937	1g	Vial	Not Regulated	N/A	\$115.90
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Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2012 Price
Gold Chloride, 1% w/v					
LC148957	125mL	Amber Glass	Not Regulated	24	\$368.10
Grams Iodine Solution					
<i>Traceable to NIST</i>					
LC149001	500mL	Amber Glass	Not Regulated	18	\$20.80
LC149002	1L	Amber Glass	Not Regulated	18	\$34.60
LC149004	4L	Amber Glass	Not Regulated	18	\$71.30
Guaic Tincture, 1:60 in Alcohol, for Blood Detection					
LC149151	500mL	Poly Bottle	UN1170, 3, P.G.II	24	\$56.00
Hexanes, ACS					
LC149201	500mL	Amber Glass	UN1208, 3, P.G.II	N/A	\$58.60
LC149202	1L	Amber Glass	UN1208, 3, P.G.II	N/A	\$99.50
LC149204	4L	Amber Glass	UN1208, 3, P.G.II	N/A	\$169.10
Hydrazine Standard, 1000 ppm (1 mL = 1 mg N₂H₄)					
<i>Traceable to NIST</i>					
LC149301	500mL	Poly Bottle	UN1789, 8, P.G.III	6	\$31.90
Hydrochloric Acid, ACS					
LC149501	500mL	Amber Glass	UN1789, 8, P.G.II	N/A	\$25.90
LC149502	1L	Amber Glass	UN1789, 8, P.G.II	N/A	\$33.90
LC149503	2.5L	Clear Glass	UN1789, 8, P.G.II	N/A	\$50.20
LC1495036	6X2.5L	Clear Glass	UN1789, 8, P.G.II	N/A	\$167.20
Hydrochloric Acid Solutions Are Available in Any Size or Concentration. Please Call for a Quote.					
Hydrochloric Acid, 0.5% v/v					
TAPPI T259 sp-98					
<i>Traceable to NIST</i>					
LC149704	4L	Poly Bottle	Not Regulated	24	\$36.20
Hydrochloric Acid, 1% v/v (1+99)					
<i>Traceable to NIST</i>					
LC150001	500mL	Poly Bottle	Not Regulated	24	\$13.50
LC150002	1L	Poly Bottle	Not Regulated	24	\$17.80
LC150004	4L	Poly Bottle	Not Regulated	24	\$37.60
Hydrochloric Acid, 5% v/v (1+19)					
<i>Traceable to NIST</i>					
LC150501	500mL	Poly Bottle	UN1789, 8, P.G.II	24	\$14.10
LC150502	1L	Poly Bottle	UN1789, 8, P.G.II	24	\$20.90
LC150504	4L	Poly Bottle	UN1789, 8, P.G.II	24	\$33.10



Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2012 Price
Hydrochloric Acid, 10% v/v (1+9)					
<i>Traceable to NIST</i>					
LC150701	500mL	Poly Bottle	UN1789, 8, P.G.II	36	\$14.20
LC150702	1L	Poly Bottle	UN1789, 8, P.G.II	36	\$19.20
LC150704	4L	Poly Bottle	UN1789, 8, P.G.II	36	\$40.20
LC150706	10L	Cubitainer®	UN1789, 8, P.G.II	36	\$130.80
Hydrochloric Acid, 20% v/v (1+4)					
<i>Traceable to NIST</i>					
LC150901	500mL	Poly Bottle	UN1789, 8, P.G.II	36	\$20.00
LC150902	1L	Poly Bottle	UN1789, 8, P.G.II	36	\$29.30
LC150904	4L	Poly Bottle	UN1789, 8, P.G.II	36	\$43.50
Hydrochloric Acid, 25% v/v (1+3)					
<i>Traceable to NIST</i>					
LC151001	500mL	Poly Bottle	UN1789, 8, P.G.II	36	\$24.20
LC151002	1L	Poly Bottle	UN1789, 8, P.G.II	36	\$32.90
LC151004	4L	Poly Bottle	UN1789, 8, P.G.II	36	\$79.40
LC151005	20L	Cubitainer®	UN1789, 8, P.G.II	36	\$146.20
Hydrochloric Acid, 33% v/v (1+2) with Methyl Orange					
<i>Traceable to NIST</i>					
LC151204	4L	Poly Bottle	UN1789, 8, P.G.II	24	\$77.40
Hydrochloric Acid, 50% v/v (1+1)					
<i>Traceable to NIST</i>					
LC151301	500mL	Amber Glass	UN1789, 8, P.G.II	36	\$25.00
LC151302	1L	Amber Glass	UN1789, 8, P.G.II	36	\$30.90
LC151303	2.5L	Clear Glass	UN1789, 8, P.G.II	36	\$44.80
LC151304	4L	Amber Glass	UN1789, 8, P.G.II	36	\$77.10
LC151306	10L	Cubitainer®	UN1789, 8, P.G.II	36	\$151.00
LC151305	20L	Poly Drum	UN1789, 8, P.G.II	36	\$213.90
Hydrochloric Acid, 0.01N (0.01M)					
<i>Traceable to NIST</i>					
LC151502	1L	Poly Bottle	Not Regulated	24	\$16.60
LC151504	4L	Poly Bottle	Not Regulated	24	\$37.30
Hydrochloric Acid, 0.02N (0.02M)					
<i>Traceable to NIST</i>					
LC151702	1L	Poly Bottle	Not Regulated	24	\$17.10
LC151704	4L	Poly Bottle	Not Regulated	24	\$37.20
LC151705	20L	Cubitainer®	Not Regulated	24	\$102.80



Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2012 Price
Hydrochloric Acid, 0.05N (0.05M)					
<i>Traceable to NIST</i>					
LC152002	1L	Poly Bottle	Not Regulated	24	\$17.10
LC152004	4L	Poly Bottle	Not Regulated	24	\$37.20
LC152005	20L	Cubitainer®	Not Regulated	24	\$91.10
Hydrochloric Acid, 0.1N (0.1M)					
<i>Traceable to NIST</i>					
LC152201	500mL	Poly Bottle	Not Regulated	24	\$14.90
LC152202	1L	Poly Bottle	Not Regulated	24	\$15.50
LC152204	4L	Poly Bottle	Not Regulated	24	\$32.20
LC152206	10L	Cubitainer®	Not Regulated	24	\$71.40
LC152205	20L	Cubitainer®	Not Regulated	24	\$93.80
Hydrochloric Acid, 0.1N (0.1M) in Isopropanol					
<i>Traceable to NIST</i>					
LC154002	1L	Poly Bottle	UN1993, 3, P.G.II	24	\$33.40
LC154004	4L	Poly Bottle	UN1993, 3, P.G.II	24	\$85.00
Hydrochloric Acid, 0.2N (0.2M)					
<i>Traceable to NIST</i>					
LC152402	1L	Poly Bottle	UN1789, 8, P.G.III	24	\$16.40
LC152404	4L	Poly Bottle	UN1789, 8, P.G.III	24	\$35.60
LC152405	20L	Cubitainer®	UN1789, 8, P.G.III	24	\$103.40
Hydrochloric Acid, 0.2N (0.2M) in Isopropanol					
<i>Traceable to NIST</i>					
LC154102	1L	Poly Bottle	UN2924, 3(8), P.G.II	24	\$30.30
LC154104	4L	Poly Bottle	UN2924, 3(8), P.G.II	24	\$74.00
LC154105	20L	Cubitainer®	UN2924, 3(8), P.G.II	24	\$205.10
Hydrochloric Acid, 0.25N (0.25M)					
<i>Traceable to NIST</i>					
LC152502	1L	Poly Bottle	UN1789, 8, P.G.III	24	\$16.80
LC152504	4L	Poly Bottle	UN1789, 8, P.G.III	24	\$37.20
LC152506	10L	Cubitainer®	UN1789, 8, P.G.III	24	\$78.00
LC152505	20L	Cubitainer®	UN1789, 8, P.G.III	24	\$104.30
Hydrochloric Acid, 0.5N (0.5M)					
<i>Traceable to NIST</i>					
LC152801	500mL	Poly Bottle	UN1789, 8, P.G.II	24	\$14.80
LC152802	1L	Poly Bottle	UN1789, 8, P.G.II	24	\$15.50
LC152804	4L	Poly Bottle	UN1789, 8, P.G.II	24	\$33.60
LC152806	10L	Cubitainer®	UN1789, 8, P.G.II	24	\$73.20
LC152805	20L	Cubitainer®	UN1789, 8, P.G.II	24	\$86.60



Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2012 Price
Hydrochloric Acid, 0.5165N (0.5165M)					
<i>Traceable to NIST</i>					
LC152904	4L	Poly Bottle	UN1789, 8, P.G.II	24	\$33.20
LC152905	20L	Cubitainer®	UN1789, 8, P.G.II	24	\$94.50
Hydrochloric Acid, 1.0N (1.0M)					
<i>Traceable to NIST</i>					
LC153001	500mL	Poly Bottle	UN1789, 8, P.G.II	24	\$14.30
LC153002	1L	Poly Bottle	UN1789, 8, P.G.II	24	\$15.50
LC153004	4L	Poly Bottle	UN1789, 8, P.G.II	24	\$32.20
LC153006	10L	Cubitainer®	UN1789, 8, P.G.II	24	\$71.20
LC153005	20L	Cubitainer®	UN1789, 8, P.G.II	24	\$93.70
Hydrochloric Acid, 2.0N (2.0M)					
<i>Traceable to NIST</i>					
LC153201	500mL	Poly Bottle	UN1789, 8, P.G.II	24	\$22.90
LC153202	1L	Poly Bottle	UN1789, 8, P.G.II	24	\$24.90
LC153204	4L	Poly Bottle	UN1789, 8, P.G.II	24	\$63.60
LC153205	20L	Cubitainer®	UN1789, 8, P.G.II	24	\$159.00
Hydrochloric Acid, 3.0N (3.0M)					
<i>Traceable to NIST</i>					
LC153301	500mL	Poly Bottle	UN1789, 8, P.G.II	36	\$17.30
LC153302	1L	Poly Bottle	UN1789, 8, P.G.II	36	\$21.00
LC153304	4L	Poly Bottle	UN1789, 8, P.G.II	36	\$61.90
LC153305	20L	Cubitainer®	UN1789, 8, P.G.II	36	\$171.00
Hydrochloric Acid, 3.0N (3.0M), Electronic Grade					
<i>Traceable to NIST</i>					
LC153404	4L	Poly Bottle	UN1789, 8, P.G.II	24	\$116.30
Hydrochloric Acid, 3.85N (3.85M)					
TAPPI T223 cm-01					
<i>Traceable to NIST</i>					
LC153452	1L	Poly Bottle	UN1789, 8, P.G.II	24	\$24.20
LC153454	4L	Poly Bottle	UN1789, 8, P.G.II	24	\$70.90
Hydrochloric Acid, 5.0N (5.0M)					
<i>Traceable to NIST</i>					
LC153601	500mL	Amber Glass	UN1789, 8, P.G.II	24	\$20.30
LC153602	1L	Amber Glass	UN1789, 8, P.G.II	24	\$22.70
LC153603	2.5L	Clear Glass	UN1789, 8, P.G.II	24	\$42.50
LC153604	4L	Amber Glass	UN1789, 8, P.G.II	24	\$78.00



Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2012 Price
Hydrochloric Acid, 6.0N (6.0M)					
<i>Traceable to NIST</i>					
LC153702	1L	Amber Glass	UN1789, 8, P.G.II	36	\$24.30
LC153703	2.5L	Clear Glass	UN1789, 8, P.G.II	36	\$43.60
LC153706	10L	Cubitainer®	UN1789, 8, P.G.II	36	\$138.00
Hydrochloric Acid, 6.25N (6.25M)					
<i>Traceable to NIST</i>					
LC153802	1L	Amber Glass	UN1789, 8, P.G.II	24	\$29.20
LC153803	2.5L	Clear Glass	UN1789, 8, P.G.II	24	\$52.80
Hydrogen Peroxide, 2% w/w					
TAPPI T665 cm-02					
<i>Traceable to NIST</i>					
LC154402	1L	Poly Bottle	Not Regulated	6	\$36.70
Hydrogen Peroxide, 3% w/w					
<i>Traceable to NIST</i>					
LC154501	500mL	Poly Bottle	Not Regulated	24	\$19.70
LC154502	1L	Poly Bottle	Not Regulated	24	\$36.70
LC154504	4L	Poly Bottle	Not Regulated	24	\$65.50
Hydrogen Peroxide, 30% w/w					
<i>Traceable to NIST</i>					
LC154301	500mL	Poly Bottle	UN2014, 5.1(8), P.G.II	12	\$72.00
LC154302	1L	Poly Bottle	UN2014, 5.1(8), P.G.II	12	\$104.60
LC154304	4L	Poly Bottle	UN2014, 5.1(8), P.G.II	12	\$214.30
Hydrogen Sulfide Water					
<i>Traceable to NIST</i>					
LC154701	500mL	Amber Glass	Not Regulated	12	\$20.90
LC154702	1L	Amber Glass	Not Regulated	12	\$26.40
Hydroquinone					
LC154901	500g	Amber Glass	UN2811, 6.1, P.G.III	N/A	\$57.70
Hydroquinone, 1% w/v, for Chloride					
ASTM D512-04 A					
LC155001	500mL	Amber Glass	Not Regulated	6	\$40.30
Hydroxylamine-EDTA, for Selenium					
APHA 3500-Se C					
LC155101	500mL	Poly Bottle	Not Regulated	24	\$35.20
Hydroxylamine Hydrochloride, ACS					
LC155151	500g	Poly Bottle	UN2923, 8(6.1), P.G.III	N/A	\$113.60



Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2012 Price
Hydroxylamine Hydrochloride, 3% w/v, for Calcium, Magnesium					
ASTM D511-08 A					
LC155201	500mL	Poly Bottle	Not Regulated	24	\$32.50
Hydroxylamine Hydrochloride, 10% w/v, for Iron, Copper, Metals					
APHA 3500-Fe B, 3500-Cu B,C, 3112 B					
LC155301	500mL	Poly Bottle	Not Regulated	24	\$35.60
LC155302	1L	Poly Bottle	Not Regulated	24	\$56.10
Hydroxylamine Hydrochloride, 20% w/v, for Cadmium					
APHA 3500-Cd D (19th Ed.)					
LC155401	500mL	Poly Bottle	Not Regulated	24	\$59.80
Hydroxylamine Hydrochloride, 50% w/v, for Mercury					
APHA 3500-Hg C (19th Ed.)					
LC155507	125mL	Poly Bottle	Not Regulated	24	\$36.50
LC155501	500mL	Poly Bottle	Not Regulated	24	\$107.80
Hydroxynaphthol Blue, Dry in NaCl, Calcium and Hardness Indicator					
LC155709	25g	Poly Bottle	Not Regulated	24	\$27.00
LC155707	100g	Poly Bottle	Not Regulated	24	\$60.20
8-Hydroxyquinoline					
LC155759	100g	Amber Glass	Not Regulated	N/A	\$64.90
8-Hydroxyquinoline Solution					
TAPPI T624 cm-00					
LC155801	500mL	Amber Glass	Not Regulated	24	\$40.90
Indicator Solution, for Cyanide					
APHA 4500-CN ⁻ D					
LC155857	125mL	Amber Glass	UN1090, 3, P.G.II	24	\$30.40
Indigo Stock Solution, for Ozone					
APHA 4500-O ₃ B					
LC155871	500mL	Amber Poly	Not Regulated	4	\$32.80
Iodate Titrant – See Potassium Iodate, Page 71-72.					
Iodine, ACS					
DEA Registration Required					
LC155901	500g	Amber Glass	UN1759, 8, P.G.II	N/A	\$180.00



Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2012 Price
Iodine, 0.01N (0.005M)					
<i>Traceable to NIST</i>					
LC156001	500mL	Amber Glass	Not Regulated	18	\$22.80
LC156002	1L	Amber Glass	Not Regulated	18	\$27.30
LC156004	4L	Amber Glass	Not Regulated	18	\$64.30
Iodine, 0.0156N (0.0078M)					
<i>Traceable to NIST</i>					
LC156022	1L	Amber Glass	Not Regulated	18	\$28.30
LC156024	4L	Amber Glass	Not Regulated	18	\$60.30
Iodine, 0.0167N (0.0084M)					
<i>Traceable to NIST</i>					
LC156052	1L	Amber Glass	Not Regulated	18	\$28.60
LC156054	4L	Amber Glass	Not Regulated	18	\$61.10
Iodine, 0.02N (0.01M)					
<i>Traceable to NIST</i>					
LC156102	1L	Amber Glass	Not Regulated	18	\$19.70
LC156104	4L	Amber Glass	Not Regulated	18	\$64.10
Iodine, 0.025N (0.0125M)					
APHA 4500-S ²⁻ F					
<i>Traceable to NIST</i>					
LC156201	500mL	Amber Glass	Not Regulated	18	\$16.00
LC156202	1L	Amber Glass	Not Regulated	18	\$22.90
LC156204	4L	Amber Glass	Not Regulated	18	\$59.60
Iodine, 0.0282N (0.0141M), for Chlorine, Chlorine Dioxide					
APHA 4500-Cl B,C, 4500-ClO ₂ B					
<i>Traceable to NIST</i>					
LC156302	1L	Amber Glass	Not Regulated	18	\$25.20
LC156304	4L	Amber Glass	Not Regulated	18	\$59.30
Iodine, 0.1N (0.05M)					
<i>Traceable to NIST</i>					
LC156601	500mL	Amber Glass	Not Regulated	18	\$19.30
LC156602	1L	Amber Glass	Not Regulated	18	\$25.10
LC156604	4L	Amber Glass	Not Regulated	18	\$100.30
Iodine, 0.2N (0.1M, 2.5%)					
<i>Traceable to NIST</i>				DEA Registration Required	
LC156624	4L	Amber Glass	Not Regulated	18	\$135.50



Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2012 Price
Iodine, 1.0N (0.5M, 12.7%)					
<i>Traceable to NIST</i>				DEA Registration Required	
LC156611	500mL	Amber Glass	Not Regulated	18	\$56.10
LC156612	1L	Amber Glass	Not Regulated	18	\$98.00
LC156614	4L	Amber Glass	Not Regulated	18	\$290.50
Iodine, D'Antoni					
<i>Traceable to NIST</i>					
LC156742	1L	Amber Glass	Not Regulated	24	\$57.50
Iodine, Lugol's, 5%					
<i>Traceable to NIST</i>				DEA Registration Required	
LC156757	125mL	Amber Glass	Not Regulated	24	\$12.60
LC156751	500mL	Amber Glass	Not Regulated	24	\$23.20
LC156752	1L	Amber Glass	Not Regulated	24	\$30.90
Iron AA Standard, 1000 ppm (1 mL = 1 mg Fe)					
<i>Traceable to NIST</i>					
LC157007	125mL	Poly Bottle	UN3264, 8, P.G.II	24	\$19.70
LC157001	500mL	Poly Bottle	UN3264, 8, P.G.II	24	\$36.80
Iron Standard Solution, 50 ppm (50µg/mL)					
TAPPI T434 cm-01					
LC157301	500mL	Poly Bottle	Not Regulated	3	\$53.00
Iron Standard, 200 ppm (1 mL = 0.2mg Fe)					
<i>Traceable to NIST</i>					
LC157207	125mL	Poly Bottle	UN3264, 8, P.G.II	24	\$21.10
LC157201	500mL	Poly Bottle	UN3264, 8, P.G.II	24	\$40.90
Isopropyl Alcohol, ACS (2-Propanol)					
LC157501	500mL	Amber Glass	UN1219, 3, P.G.II	N/A	\$32.60
LC157502	1L	Amber Glass	UN1219, 3, P.G.II	N/A	\$38.00
LC157504	4L	Amber Glass	UN1219, 3, P.G.II	N/A	\$70.90
LC1575044	4X4L	Amber Glass	UN1219, 3, P.G.II	N/A	\$204.60
LC157505	20L	Cubitainer®	UN1219, 3, P.G.II	N/A	\$195.50
Isopropyl Alcohol, 50% v/v					
LC157554	4L	Poly Bottle	UN1219, 3, P.G.II	24	\$51.00
LC157555	20L	Cubitainer®	UN1219, 3, P.G.II	24	\$158.10



Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2012 Price
Isopropyl Alcohol, 70% v/v					
LC157601	500mL	Poly Bottle	UN1219, 3, P.G.II	24	\$19.70
LC157602	1L	Poly Bottle	UN1219, 3, P.G.II	24	\$26.20
LC157604	4L	Poly Bottle	UN1219, 3, P.G.II	24	\$52.30
LC157606	10L	Cubitainer®	UN1219, 3, P.G.II	24	\$130.80
LC157605	20L	Cubitainer®	UN1219, 3, P.G.II	24	\$183.10
LC15760200	200L	Poly Drum	UN1219, 3, P.G.II	24	\$1,199.00

Kerosene, Odorless

LC158502	1L	Amber Glass	UN1223, 3, P.G.III	N/A	\$30.10
LC158504	4L	Amber Glass	UN1223, 3, P.G.III	N/A	\$74.20

Kjeldahl Indicators – See Boric Acid Solutions, Page 14.

Kjeldahl Reagents Can Be Made to Specification. Please Call for a Quote.

Lactic Acid, 85% w/w, ACS

LC159501	500mL	Amber Glass	UN3265, 8, P.G.III	N/A	\$49.80
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Lactic Acid, 10% v/v

Traceable to NIST

LC160001	500mL	Poly Bottle	Not Regulated	24	\$27.70
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Lactic Acid, 1.0N (1.0M)

Traceable to NIST

LC160201	500mL	Poly Bottle	Not Regulated	24	\$35.50
LC160202	1L	Poly Bottle	Not Regulated	24	\$52.80

Prices Listed for Lanthanum Salts and Solutions Are Subject to Change.

Lanthanum Oxide

LC160409	100g	Poly Bottle	Not Regulated	N/A	\$64.00
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Lanthanum Solution, for Metals

APHA 3111 B

LC160501	500mL	Poly Bottle	UN1789, 8, P.G.II	24	\$58.90
LC160502	1L	Poly Bottle	UN1789, 8, P.G.II	24	\$99.90

Lead AA Standard, 1000 ppm (1 mL = 1 mg Pb)

Traceable to NIST

LC161307	125mL	Poly Bottle	UN3264, 8, P.G.II	24	\$21.80
LC161301	500mL	Poly Bottle	UN3264, 8, P.G.II	24	\$38.50

Lead Acetate, Trihydrate, ACS

LC160801	500g	Amber Glass	UN1616, 6.1, P.G.III	N/A	\$66.00
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Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2012 Price
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Lead Acetate, 10% w/v, for Arsenic

APHA 3500-As B

LC161001	500mL	Poly Bottle	Not Regulated	24	\$34.30
LC161002	1L	Poly Bottle	Not Regulated	24	\$52.00

Light's Solution (ORP Standard, 475 mV)

LC161401	500mL	Amber Glass	UN3264, 8, P.G.II	12	\$44.50
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Other ORP Standards Are Available – See Page 59.

Lime Water, Saturated

TAPPI T421 om-97

LC161602	1L	Poly Bottle	UN3266, 8, P.G.II	12	\$19.60
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Linear Alkylbenzene Sulfonate (LAS Solution), 1 mL = 1 mg

Refrigerated Item

LC161507	125mL	Poly Bottle	Not Regulated	12	\$30.50
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Lithium AA Standard, 1000 ppm (1mL = 1mg Li)

Traceable to NIST

LC161807	125mL	Poly Bottle	UN2031, 8, P.G.II	24	\$21.10
LC161801	500mL	Poly Bottle	UN2031, 8, P.G.II	24	\$36.80

Lithium Nitrate, Reagent

LC162501	500g	Poly Bottle	UN2722, 5.1, P.G.III	N/A	\$111.60
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Magnesium AA Standard, 1000 ppm (1mL = 1mg Mg)

Traceable to NIST

LC164807	125mL	Poly Bottle	UN3264, 8, P.G.II	24	\$20.10
LC164801	500mL	Poly Bottle	UN3264, 8, P.G.II	24	\$36.80

Magnesium Chloride, Hexahydrate, ACS

LC163801	500g	Poly Bottle	Not Regulated	N/A	\$55.70
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Magnesium Chloride Reagent, 51% w/v, for Total Cyanide

APHA 4500-CN⁻ C

LC163901	500mL	Poly Bottle	Not Regulated	24	\$50.30
LC163902	1L	Poly Bottle	Not Regulated	24	\$74.70
LC163904	4L	Poly Bottle	Not Regulated	24	\$228.70

Magnesium EDTA, 0.02% w/v, for Hardness

EPA

LC164501	500mL	Poly Bottle	Not Regulated	24	\$24.70
LC164502	1L	Poly Bottle	Not Regulated	24	\$36.20



Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2012 Price
Magnesium Reagent					
TAPPI T421 om-97					
LC164707	125mL	Poly Bottle	UN1824, 8, P.G.III	12	\$27.40
Magnesium Sulfate, Heptahydrate, ACS					
LC164901	500g	Poly Bottle	Not Regulated	N/A	\$60.50
Magnesium Sulfate, 2.25% w/v, for BOD					
APHA 5210 B					
LC165001	500mL	Poly Bottle	Not Regulated	24	\$13.80
LC165002	1L	Poly Bottle	Not Regulated	24	\$21.20
Malonic Acid Reagent, for Ozone					
APHA 4500-O ₃ B					
LC165207	125mL	Poly Bottle	Not Regulated	24	\$30.60
Manganese AA Standard, 1000 ppm (1 mL = 1 mg Mn)					
<i>Traceable to NIST</i>					
LC165507	125mL	Poly Bottle	Not Regulated	24	\$20.10
LC165501	500mL	Poly Bottle	Not Regulated	24	\$36.80
Manganous Sulfate, Monohydrate, ACS					
LC165551	500g	Poly Bottle	Not Regulated	N/A	\$85.50
Manganous Sulfate, 0.003M (0.003N), for Nitrogen (Ammonia), Nitrogen (Organic)					
APHA 4500-NH ₃ D (18th Ed.), 4500-Norg B (18th Ed.)					
LC165602	1L	Poly Bottle	Not Regulated	24	\$34.40
Manganous Sulfate Solution, for Dissolved Oxygen					
APHA 4500-O C,D,E,F, ASTM D888-05 A					
LC165701	500mL	Poly Bottle	Not Regulated	24	\$30.20
LC165702	1L	Poly Bottle	Not Regulated	24	\$46.50
LC165704	4L	Poly Bottle	Not Regulated	24	\$128.20
MBTH Indicator, 0.05% Aqueous, for Cyanide					
APHA 4500-CN ⁻ B					
LC163307	125mL	Poly Bottle	Not Regulated	6	\$20.80
LC163301	500mL	Poly Bottle	Not Regulated	6	\$30.10
Mcllvaine's Buffer, pH 3.2					
<i>Traceable to NIST</i>					
LC163004	4L	Poly Bottle	Not Regulated	24	\$34.50
LC163006	10L	Cubitainer®	Not Regulated	24	\$88.90
LC163005	20L	Cubitainer®	Not Regulated	24	\$110.60
Mercuric Chloride, ACS					
LC165909	100g	Poly Bottle	UN1624, 6.1, P.G.II	N/A	\$54.80



Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2012 Price
Mercuric Chloride, 5% w/v					
LC166001	500mL	Poly Bottle	UN2024, 6.1, P.G.II	24	\$39.10
LC166002	1L	Poly Bottle	UN2024, 6.1, P.G.II	24	\$64.70
Mercuric Chloride, 0.1M (0.2N)					
<i>Traceable to NIST</i>					
LC166401	500mL	Poly Bottle	UN2024, 6.1, P.G.II	24	\$32.70
Mercuric Chloride, Saturated					
TAPPI T604 om-00					
LC166201	500mL	Poly Bottle	UN2024, 6.1, P.G.II	24	\$36.30
Mercuric Nitrate, Monohydrate, ACS					
LC166459	100g	Poly Bottle	UN1625, 6.1, P.G.II	N/A	\$85.80
Mercuric Nitrate, 0.35g/L, for Vanadium					
APHA 3500-V B					
LC166801	500mL	Amber Glass	Not Regulated	24	\$22.60
Mercuric Nitrate, 0.0141N (0.0071M) (1mL = 0.5mg Cl⁻), for Chloride					
APHA 4500-Cl ⁻ C					
<i>Traceable to NIST</i>					
LC166501	500mL	Amber Glass	Not Regulated	12	\$17.30
LC166502	1L	Amber Glass	Not Regulated	12	\$25.10
LC166504	4L	Amber Glass	Not Regulated	12	\$71.80
Mercuric Nitrate, 0.0171N (0.0086M) (1mL = 1mg NaCl)					
<i>Traceable to NIST</i>					
LC166552	1L	Amber Glass	Not Regulated	12	\$28.20
LC166554	4L	Amber Glass	Not Regulated	12	\$72.30
Mercuric Nitrate, 0.025N (0.013M), for Chloride					
ASTM D512-89A					
<i>Traceable to NIST</i>					
LC166571	500mL	Amber Glass	Not Regulated	12	\$21.70
LC166572	1L	Amber Glass	Not Regulated	12	\$32.30
LC166574	4L	Amber Glass	Not Regulated	12	\$87.90
Mercuric Nitrate, 0.1N (0.05M)					
<i>Traceable to NIST</i>					
LC166582	1L	Amber Glass	Not Regulated	24	\$43.80
LC166584	4L	Amber Glass	Not Regulated	24	\$103.70



Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2012 Price
Mercuric Nitrate, 0.141N (0.071M) (1 mL = 5mg Cl⁻), for Chloride					
APHA 4500-Cl ⁻ C <i>Traceable to NIST</i>					
LC166601	500mL	Amber Glass	Not Regulated	24	\$34.00
LC166602	1L	Amber Glass	Not Regulated	24	\$54.40
LC166604	4L	Amber Glass	Not Regulated	24	\$125.70
Mercuric Thiocyanate					
LC167108	25g	Amber Glass	UN1646, 6.1, P.G.II	N/A	\$46.20
Mercuric Thiocyanate, 0.42% w/v in Methanol, Stock Solution for Chloride					
APHA 4500-Cl ⁻ E,G					
LC167201	500mL	Amber Glass	UN1993, 3, P.G.II	24	\$29.30
LC167202	1L	Amber Glass	UN1993, 3, P.G.II	24	\$43.80
Mercury AA Standard, 1000 ppm (1 mL = 1 mg Hg)					
<i>Traceable to NIST</i>					
LC167507	125mL	Poly Bottle	UN3264, 8, P.G.II	24	\$16.90
LC167501	500mL	Poly Bottle	UN3264, 8, P.G.II	24	\$36.80
Methanol, ACS					
LC168001	500mL	Amber Glass	UN1230, 3, P.G.II	N/A	\$19.40
LC168002	1L	Amber Glass	UN1230, 3, P.G.II	N/A	\$21.80
LC168004	4L	Amber Glass	UN1230, 3, P.G.II	N/A	\$61.30
LC1680044	4X4L	Amber Glass	UN1230, 3, P.G.II	N/A	\$218.40
Methanol, HPLC					
LC168102	1L	Amber Glass	UN1230, 3, P.G.II	N/A	\$42.20
LC168104	4L	Amber Glass	UN1230, 3, P.G.II	N/A	\$91.60
Methanol, 50% v/v (1+1)					
LC168302	1L	Poly Bottle	UN1993, 3, P.G.III	24	\$36.00
LC168304	4L	Poly Bottle	UN1993, 3, P.G.III	24	\$54.80
Methyl Orange, Sodium Salt					
LC169808	25g	Amber Glass	UN2811, 6.1, P.G.III	N/A	\$19.80
Methyl Orange, 0.05% Aqueous, pH 3.2 – 4.4 Red to Yellow					
APHA 5530 B, 4500-P B, ASTM D1067-06 B					
LC170007	125mL	Poly Bottle	Not Regulated	24	\$13.10
LC170001	500mL	Poly Bottle	Not Regulated	24	\$15.40
LC170002	1L	Poly Bottle	Not Regulated	24	\$25.10
LC170004	4L	Poly Bottle	Not Regulated	24	\$56.50
Methyl Orange, 0.1% Aqueous, pH 3.2 – 4.4 Red to Yellow					
LC170101	500mL	Poly Bottle	Not Regulated	24	\$14.20



Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2012 Price
Methyl Orange, Modified					
TAPPI T613 cm-00					
LC170201	500mL	Poly Bottle	Not Regulated	24	\$22.20
Methyl Orange-Xylene Cyanole, pH 2.9 – 4.6 Lavender to Green					
LC170401	500mL	Poly Bottle	Not Regulated	24	\$36.20
LC170402	1L	Poly Bottle	Not Regulated	24	\$49.20
Methyl Purple Indicator, pH 4.8 – 5.4 Purple to Green					
LC170707	125mL	Poly Bottle	Not Regulated	24	\$14.20
LC170701	500mL	Poly Bottle	Not Regulated	24	\$17.10
LC170702	1L	Poly Bottle	Not Regulated	24	\$27.70
Methyl Red, Sodium Salt					
LC170807	10g	Amber Glass	Not Regulated	N/A	\$51.70
Methyl Red, 0.02% Aqueous, pH 4.2 – 6.3 Pink to Yellow					
LC170907	125mL	Poly Bottle	Not Regulated	24	\$10.60
LC170901	500mL	Poly Bottle	Not Regulated	24	\$23.60
Methyl Red, 0.02% in Methanol, pH 4.2 – 6.3 Pink to Yellow					
LC171007	125mL	Poly Bottle	UN1993, 3, P.G.II	36	\$15.10
LC171002	1L	Poly Bottle	UN1993, 3, P.G.II	36	\$42.10
Methyl Red, 0.1% Aqueous, pH 4.2 – 6.3 Pink to Yellow					
APHA 4500-SO ₄ ²⁻ C,D, ASTM 1067-06 B					
LC171207	125mL	Poly Bottle	Not Regulated	24	\$19.30
LC171201	500mL	Poly Bottle	Not Regulated	24	\$30.60
LC171202	1L	Poly Bottle	Not Regulated	24	\$46.20
Methyl Red, 1.0% Aqueous, pH 4.2 – 6.3 Pink to Yellow					
LC171407	125mL	Poly Bottle	Not Regulated	24	\$16.60
LC171401	500mL	Poly Bottle	Not Regulated	24	\$42.40
Methyl Red-Methylene Blue, Mixed Indicator, for Nitrogen (Ammonia), Nitrogen (Organic)					
APHA 4500-NH ₃ C, 4500-Norg B, ASTM D3590-02					
LC171707	125mL	Poly Bottle	UN1170, 3, P.G.II	1	\$22.20
LC171701	500mL	Poly Bottle	UN1170, 3, P.G.II	1	\$59.60
Methyl Violet					
LC171907	10g	Amber Glass	Not Regulated	N/A	\$19.70
Methyl Violet, 0.02% Aqueous, pH 0.0 – 1.4 Green to Blue					
LC172001	500mL	Poly Bottle	Not Regulated	24	\$30.50



Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2012 Price
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4-(Methylamino) Phenol Sulfate Solution

ACS Phosphate Method

LC168401	500mL	Poly Bottle	Not Regulated	12	\$32.80
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Methylene Blue

LC168508	25g	Amber Glass	Not Regulated	N/A	\$31.60
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Methylene Blue, 0.1% Aqueous

Traceable to NIST

LC169001	500mL	Poly Bottle	Not Regulated	24	\$22.00
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LC169002	1L	Poly Bottle	Not Regulated	24	\$36.30
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Methylene Blue, 1% in Ethanol

Traceable to NIST

LC169207	125mL	Poly Bottle	UN1170, 3, P.G.II	24	\$22.00
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LC169201	500mL	Poly Bottle	UN1170, 3, P.G.II	24	\$33.00
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LC169202	1L	Poly Bottle	UN1170, 3, P.G.II	24	\$50.60
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Methylene Blue, 1% Aqueous

Traceable to NIST

LC169407	125mL	Poly Bottle	Not Regulated	24	\$13.60
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LC169401	500mL	Poly Bottle	Not Regulated	24	\$25.80
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LC169402	1L	Poly Bottle	Not Regulated	24	\$34.40
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Methylene Blue, Loeffler

Traceable to NIST

LC169601	500mL	Poly Bottle	Not Regulated	24	\$23.60
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Methylene Blue Reagent, for Surfactants

APHA 5540 C

LC169701	500mL	Poly Bottle	Not Regulated	24	\$32.10
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LC169702	1L	Poly Bottle	Not Regulated	24	\$47.00
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Methylene Blue – See Also New Methylene Blue, Page 57.

Microcosmic Salt Solution

TAPPI T421 om-97

LC169811	500mL	Poly Bottle	Not Regulated	12	\$35.20
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Mixed Indicator for Kjeldahl Nitrogen – See Methyl Red–Methylene Blue, Page 54.

Molybdate Reagent for Phosphate – See Ammonium Molybdate, Page 9–10.



Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2012 Price
Molybdenum AA Standard, 1000 ppm (1 mL = 1 mg Mo)					
<i>Traceable to NIST</i>					
LC174007	125mL	Poly Bottle	Not Regulated	24	\$20.90
LC174001	500mL	Poly Bottle	Not Regulated	24	\$47.30
Morin Solution					
TAPPI T421 om-97					
LC174207	125mL	Poly Bottle	UN1993, 3, P.G.II	12	\$29.10
Morpholine, ACS					
LC174401	500mL	Amber Glass	UN2054, 8(3), P.G.I	N/A	\$39.40
Morpholine Standard, 1000 ppm (1 mL = 1 mg)					
<i>Traceable to NIST</i>					
LC174501	500mL	Poly Bottle	Not Regulated	6	\$51.30
Murexide					
LC174907	5g	Amber Glass	Not Regulated	N/A	\$52.40
Murexide Indicator, Dry Form in NaCl, for Calcium					
APHA 3500-Ca B					
LC175109	100g	Poly Bottle	Not Regulated	36	\$36.20
LC175101	500g	Poly Bottle	Not Regulated	36	\$117.80
Murexide Indicator, 0.15% in Ethylene Glycol, for Calcium					
APHA 3500-Ca B					
LC175007	125mL	Amber Glass	Not Regulated	12	\$30.30
LC175001	500mL	Amber Glass	Not Regulated	12	\$45.50
N-(1-Naphthyl)-Ethylenediamine Dihydrochloride					
LC175408	25g	Amber Glass	Not Regulated	N/A	\$60.80
N-(1-Naphthyl)-Ethylenediamine Dihydrochloride, 0.1%, for Nitrogen (Nitrite)					
APHA 16th Edition				Refrigerated Item	
LC175507	125mL	Amber Poly	Not Regulated	2	\$24.70
LC175501	500mL	Amber Poly	Not Regulated	2	\$41.10
Neocuproine Reagent, 0.1% in Methanol, for Copper					
APHA 3500-Cu B					
LC176307	125mL	Poly Bottle	UN1993, 3, P.G.II	1	\$32.60
Nesslers Reagent, for Nitrogen (Ammonia), Nitrogen (Organic)					
APHA 4500-NH ₃ C (18th Ed.), 4500-Norg B (18th Ed.), ASTM D1426-08 A, D3590-08 (1994) A					
LC176001	500mL	Amber Glass	UN2922, 8(6.1), P.G.II	12	\$51.90
LC176002	1L	Amber Glass	UN2922, 8(6.1), P.G.II	12	\$85.30



Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2012 Price
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New Methylene Blue N, for Reticulocytes

Traceable to NIST

LC176607	125mL	Poly Bottle	Not Regulated	24	\$17.80
LC176601	500mL	Poly Bottle	Not Regulated	24	\$62.00

Nickel AA Standard, 1000 ppm (1 mL = 1 mg Ni)

Traceable to NIST

LC176707	125mL	Poly Bottle	UN3264, 8, P.G.II	24	\$16.90
LC176701	500mL	Poly Bottle	UN3264, 8, P.G.II	24	\$40.20

Nital Solutions Are Available in Many Sizes and Concentrations. Please Call for a Quote.

Nitrate Electrode Fill Solution – See Electrode Fill Solution, Page 33.

Nitrate (as Nitrogen) Standard, 1000 ppm, (1 mL = 1 mg N, 1 mL = 4.43mg NO₃⁻)

APHA 4500-NO₃⁻ E, ASTM D3867-04 A,B

Traceable to NIST

LC179007	125mL	Poly Bottle	Not Regulated	24	\$14.30
LC179001	500mL	Poly Bottle	Not Regulated	24	\$26.20

Nitrate (as Nitrogen) Standard, 1000 ppm, Preserved with Chloroform (1 mL = 1 mg N, 1 mL = 4.43mg NO₃⁻)

APHA 4500-NO₃⁻ E, ASTM D3867-04 A,B

Traceable to NIST

LC179107	125mL	Poly Bottle	Not Regulated	24	\$14.60
LC179101	500mL	Poly Bottle	Not Regulated	24	\$28.00

Nitric Acid, ACS

LC177001	500mL	Amber Glass	UN2031, 8(5.1), P.G.II	N/A	\$45.50
LC177002	1L	Amber Glass	UN2031, 8(5.1), P.G.II	N/A	\$49.90
LC177003	2.5L	Clear Glass	UN2031, 8(5.1), P.G.II	N/A	\$71.90
LC1770034	4X2.5L	Clear Glass	UN2031, 8(5.1), P.G.II	N/A	\$269.50
LC1770036	6X2.5L	Clear Glass	UN2031, 8(5.1), P.G.II	N/A	\$355.40

Nitric Acid Solutions Are Available in Any Size or Concentration. Please Call for a Quote.

Nitric Acid, 10% v/v (1+9)

Traceable to NIST

LC177301	500mL	Amber Glass	UN2031, 8, P.G.II	24	\$20.00
LC177302	1L	Amber Glass	UN2031, 8, P.G.II	24	\$33.00



Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2012 Price
Nitric Acid, 20% v/v (1+4), for Lead					
APHA 3500-Pb B <i>Traceable to NIST</i>					
LC177501	500mL	Amber Glass	UN2031, 8, P.G.II	24	\$31.80
LC177502	1L	Amber Glass	UN2031, 8, P.G.II	24	\$40.30
Nitric Acid, 50% v/v (1+1)					
<i>Traceable to NIST</i>					
LC177701	500mL	Amber Glass	UN2031, 8, P.G.II	24	\$31.70
LC177702	1L	Amber Glass	UN2031, 8, P.G.II	24	\$46.80
LC177703	2.5L	Clear Glass	UN2031, 8, P.G.II	24	\$56.50
Nitric Acid, 0.1N (0.1M)					
<i>Traceable to NIST</i>					
LC178001	500mL	Poly Bottle	Not Regulated	24	\$15.00
LC178002	1L	Poly Bottle	Not Regulated	24	\$20.20
Nitric Acid, 1.0N (1.0M)					
<i>Traceable to NIST</i>					
LC178401	500mL	Amber Glass	UN2031, 8, P.G.II	24	\$16.90
LC178402	1L	Amber Glass	UN2031, 8, P.G.II	24	\$24.20
Nitric Acid, 2.0N (2.0M)					
<i>Traceable to NIST</i>					
LC178501	500mL	Amber Glass	UN2031, 8, P.G.II	24	\$26.30
LC178502	1L	Amber Glass	UN2031, 8, P.G.II	24	\$28.40
LC178503	2.5L	Clear Glass	UN2031, 8, P.G.II	24	\$64.60
Nitric Acid, 6.0N (6.0M)					
<i>Traceable to NIST</i>					
LC178701	500mL	Amber Glass	UN2031, 8, P.G.II	24	\$34.30
LC178702	1L	Amber Glass	UN2031, 8, P.G.II	24	\$48.30
Nitrite (as Nitrogen) Standard, 1000 ppm, (1mL = 1mg N, 1mL = 3.28mg NO₂⁻)					
APHA 4500-NO ₂ ⁻ E, ASTM D3867-04 A,B				Refrigerated Item	
<i>Traceable to NIST</i>					
LC179207	125mL	Poly Bottle	Not Regulated	3	\$20.80
LC179201	500mL	Poly Bottle	Not Regulated	3	\$48.10
Nitrite (as Nitrogen) Standard, 1000 ppm, Preserved with Chloroform (1mL = 1mg N, 1mL = 3.28mg NO₂⁻)					
APHA 4500-NO ₂ ⁻ E, ASTM D3867-04 A,B				Refrigerated Item	
<i>Traceable to NIST</i>					
LC179307	125mL	Poly Bottle	Not Regulated	3	\$21.00
LC179301	500mL	Poly Bottle	Not Regulated	3	\$48.30



Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2012 Price
Nitrogen Standards – See Also Ammonia Standards, Page 6.					

ORP Standard, 200mV

LC180101	500mL	Amber Glass	Not Regulated	12	\$39.80
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ORP Standard, 220mV – See Zobell's Solution, Page 108.

ORP Standard, 400mV

LC180151	500mL	Amber Glass	UN2796, 8, P.G.II	12	\$42.70
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ORP Standard, 475mV, (Light's Solution)

LC180201	500mL	Amber Glass	UN3264, 8, P.G.II	12	\$44.50
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Oxalic Acid, Dihydrate, ACS

LC180401	500g	Poly Bottle	UN3261, 8, P.G.II	N/A	\$67.40
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**Oxalic Acid Solutions Are Available in Any Size or Concentration.
Please Call for a Quote.**

Oxalic Acid, 5% w/v, for Silica

APHA 4500-SiO₂ E

LC180501	500mL	Poly Bottle	Not Regulated	24	\$19.80
LC180502	1L	Poly Bottle	Not Regulated	24	\$30.80

Oxalic Acid, 7.5% w/v, for Silica

APHA 4500-SiO₂ C,D

Traceable to NIST

LC180601	500mL	Poly Bottle	Not Regulated	24	\$23.50
LC180602	1L	Poly Bottle	Not Regulated	24	\$34.20

Oxalic Acid, 10% w/v, for Silica

APHA 4500-SiO₂ F, ASTM D859-05

Traceable to NIST

LC180801	500mL	Poly Bottle	Not Regulated	24	\$21.30
LC180802	1L	Poly Bottle	Not Regulated	24	\$32.10

PAN Indicator, 0.3% in Ethanol

LC180907	125mL	Amber Glass	UN1170, 3, P.G.II	24	\$26.40
LC180901	500mL	Amber Glass	UN1170, 3, P.G.II	24	\$35.20



Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2012 Price
Perchloric Acid, 0.1N (0.1M) in Glacial Acetic Acid, for Non-Aqueous Titrations					
<i>Traceable to NIST</i>					
LC181001	500mL	Amber Glass	UN2789, 8(3), P.G.II	24	\$29.40
LC181002	1L	Amber Glass	UN2789, 8(3), P.G.II	24	\$53.30
LC181003	2.5L	Clear Glass	UN2789, 8(3), P.G.II	24	\$118.00
LC181004	4L	Amber Glass	UN2789, 8(3), P.G.II	24	\$122.60
1,10-Phenanthroline, Monohydrate					
LC181407	5g	Amber Glass	Not Regulated	N/A	\$52.30
o-Phenanthroline, 0.1% Alcoholic					
LC181701	500mL	Poly Bottle	UN1170, 3, P.G.II	12	\$31.10
o-Phenanthroline 0.1% Aqueous, for Iron					
APHA 3500-Fe B					
LC181501	500mL	Poly Bottle	Not Regulated	12	\$30.70
o-Phenanthroline Solution, 0.25% w/v					
TAPPI T434 cm-01					
LC181601	500mL	Poly Bottle	Not Regulated	12	\$48.00
o-Phenanthroline, 0.3% w/v					
TAPPI T613 cm-00					
LC181552	1L	Poly Bottle	Not Regulated	12	\$66.80
Phenol Red, Sodium Salt					
LC182407	5g	Amber Glass	Not Regulated	N/A	\$29.70
Phenol Red, 0.02%, Aqueous, pH 6.8 – 8.4 Yellow to Red					
LC182507	125mL	Poly Bottle	Not Regulated	24	\$12.10
LC182501	500mL	Poly Bottle	Not Regulated	24	\$16.50
Phenol Red, 0.04%, Aqueous, pH 6.8 – 8.4 Yellow to Red					
LC182607	125mL	Poly Bottle	Not Regulated	24	\$10.50
LC182601	500mL	Poly Bottle	Not Regulated	24	\$16.60
Phenol Red, 0.1%, Aqueous					
TAPPI T610 sp-02					
LC182701	500mL	Poly Bottle	Not Regulated	24	\$25.30
Phenol Standard, 1000ppm (1 mL = 1 mg)					
APHA 5530 C,D					
<i>Traceable to NIST</i>					
LC183307	125mL	Amber Glass	Not Regulated	24	\$23.80
LC183301	500mL	Amber Glass	Not Regulated	24	\$33.50



Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2012 Price
Phenol, 5% w/v					
<i>Traceable to NIST</i>					
LC181951	500mL	Amber Glass	Not Regulated	24	\$27.90
LC181952	1L	Amber Glass	Not Regulated	24	\$40.50
LC181954	4L	Amber Glass	Not Regulated	24	\$128.80
Phenolphthalein, ACS					
LC181989	100g	Poly Bottle	Not Regulated	N/A	\$26.10
Phenolphthalein, 0.08% in Methanol, for Organic Acids					
APHA 5560 B					
LC182307	125mL	Poly Bottle	UN1993, 3, P.G.II	24	\$13.40
LC182301	500mL	Poly Bottle	UN1993, 3, P.G.II	24	\$16.30
Phenolphthalein, 0.5% In 50% Ethanol, pH 8.3 – 10.0 Colorless to Pink					
LC182007	125mL	Poly Bottle	UN1170, 3, P.G.III	24	\$10.90
LC182001	500mL	Poly Bottle	UN1170, 3, P.G.III	24	\$11.20
LC182002	1L	Poly Bottle	UN1170, 3, P.G.III	24	\$22.10
Phenolphthalein, 1% In 60% Isopropanol, pH 8.3 – 10.0 Colorless to Pink					
LC182107	125mL	Poly Bottle	UN1219, 3, P.G.II	24	\$9.60
LC182101	500mL	Poly Bottle	UN1219, 3, P.G.II	24	\$16.70
LC182102	1L	Poly Bottle	UN1219, 3, P.G.II	24	\$30.50
Phenolphthalein, 1% in 95% Ethanol, pH 8.3 – 10.0 Colorless to Pink					
LC182207	125mL	Poly Bottle	UN1170, 3, P.G.II	24	\$11.20
LC182201	500mL	Poly Bottle	UN1170, 3, P.G.II	24	\$14.20
LC182202	1L	Poly Bottle	UN1170, 3, P.G.II	24	\$22.10
LC182204	4L	Poly Bottle	UN1170, 3, P.G.II	24	\$64.90
Phenylarsine Oxide					
LC183357	10g	Amber Glass	UN1557, 6.1, P.G.I	N/A	\$97.00
Phenylarsine Oxide, 0.005N (0.0025M), for Dissolved Oxygen					
ASTM D888-05 A					
<i>Traceable to NIST</i>					
LC183402	1L	Amber Glass	Not Regulated	12	\$64.80
LC183404	4L	Amber Glass	Not Regulated	12	\$197.60
Phenylarsine Oxide, 0.00564N (0.00282M) (1 mL = 0.2mg Cl)					
APHA 4500-Cl C,D, 4500-ClO ₂ C,E, 4500-I C, ASTM D1253-03					
<i>Traceable to NIST</i>					
LC183601	500mL	Amber Glass	Not Regulated	12	\$52.50
LC183602	1L	Amber Glass	Not Regulated	12	\$63.30
LC183604	4L	Amber Glass	Not Regulated	12	\$187.60



Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2012 Price
Phenylarsine Oxide, 0.025N (0.0125M)					
ASTM D888-05 A, D888-87 B <i>Traceable to NIST</i>					
LC183801	500mL	Amber Glass	Not Regulated	12	\$60.50
LC183802	1L	Amber Glass	Not Regulated	12	\$95.10
LC183804	4L	Amber Glass	Not Regulated	12	\$389.80
Phenylarsine Oxide, 0.0375N (0.01875M), for BOD					
ASTM D888-05 A, EPA 360.2 <i>Traceable to NIST</i>					
LC183902	1L	Amber Glass	Not Regulated	12	\$131.90
Phosphate Buffer pH 4.1, for Cyanide					
APHA 4500-CN ⁻ H,J <i>Traceable to NIST</i>				Refrigerated Item	
LC185501	500mL	Poly Bottle	Not Regulated	12	\$31.00
LC185502	1L	Poly Bottle	Not Regulated	12	\$54.90
Phosphate Buffer pH 6.2-6.5, for Chlorine, Chlorine Dioxide					
APHA 4500-CI F,G, 4500-CIO ₂ D <i>Traceable to NIST</i>					
LC185401	500mL	Poly Bottle	Not Regulated	24	\$27.00
LC185402	1L	Poly Bottle	Not Regulated	24	\$32.60
LC185404	4L	Poly Bottle	Not Regulated	24	\$102.00
Phosphate Buffer pH 6.8, for Phenols					
APHA 5530 C,D <i>Traceable to NIST</i>					
LC185601	500mL	Poly Bottle	Not Regulated	24	\$33.50
Phosphate Buffer pH 7.0, for Chlorine, Chlorine Dioxide					
APHA 4500-CI D (20th Ed.), 4500-CIO ₂ C,E, ASTM D1253-03 <i>Traceable to NIST</i>					
LC185201	500mL	Poly Bottle	Not Regulated	24	\$36.20
LC185202	1L	Poly Bottle	Not Regulated	24	\$54.80
LC185204	4L	Poly Bottle	Not Regulated	24	\$164.40
Phosphate Buffer pH 7.2, for BOD					
APHA 5210 B <i>Traceable to NIST</i>					
LC185001	500mL	Poly Bottle	Not Regulated	24	\$19.20
LC185002	1L	Poly Bottle	Not Regulated	24	\$31.70
LC185004	4L	Poly Bottle	Not Regulated	24	\$60.70



Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2012 Price
Phosphate Standard, 500ppm (1 mL = 0.5mg PO₄)					
<i>Traceable to NIST</i>					
LC185801	500mL	Poly Bottle	Not Regulated	24	\$34.50
Phosphate Standard, 1000ppm (1 mL = 1 mg PO₄)					
<i>Traceable to NIST</i>					
LC185701	500mL	Poly Bottle	Not Regulated	24	\$33.20
Phosphate (as Phosphorus) Standard, 50ppm (1 mL = 0.05mg P)					
<i>Traceable to NIST</i>					
LC186007	125mL	Poly Bottle	Not Regulated	12	\$21.30
LC186001	500mL	Poly Bottle	Not Regulated	12	\$31.50
Phosphate (as Phosphorus) Standard, 1000ppm (1 mL = 1 mg P)					
<i>Traceable to NIST</i>					
LC185901	500mL	Poly Bottle	Not Regulated	24	\$44.70
Phosphoric Acid, ACS					
LC186401	500mL	Amber Glass	UN1805, 8, P.G.III	N/A	\$46.20
LC186403	2.5L	Clear Glass	UN1805, 8, P.G.III	N/A	\$89.00
Phosphoric Acid, 10% v/v (1+9)					
<i>Traceable to NIST</i>					
LC186501	500mL	Poly Bottle	UN1805, 8, P.G.III	24	\$19.90
LC186502	1L	Poly Bottle	UN1805, 8, P.G.III	24	\$31.20
LC186504	4L	Poly Bottle	UN1805, 8, P.G.III	24	\$73.10
LC186506	10L	Cubitainer®	UN1805, 8, P.G.III	24	\$174.60
LC186505	20L	Cubitainer®	UN1805, 8, P.G.III	24	\$298.10
LC18650200	200L	Poly Drum	UN1805, 8, P.G.III	24	\$850.60
Phosphoric Acid, 25% v/v (1+3)					
<i>Traceable to NIST</i>					
LC186551	500mL	Poly Bottle	UN1805, 8, P.G.III	24	\$22.90
LC186552	1L	Poly Bottle	UN1805, 8, P.G.III	24	\$34.60
LC186554	4L	Poly Bottle	UN1805, 8, P.G.III	24	\$74.00
Phosphoric Acid–Sulfamic Acid Solution, for Chlorine					
APHA 4500–Cl C					
LC186601	500mL	Poly Bottle	UN1805, 8, P.G.III	12	\$32.80
Picric Acid, Saturated					
LC186701	500mL	Poly Bottle	Not Regulated	24	\$32.10
LC186702	1L	Poly Bottle	Not Regulated	24	\$42.00



Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2012 Price
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Prices Listed for Platinum Solutions Are Subject to Change. Please Call for Current Prices.

Platinizing Solution, for Electrical Conductivity and Resistivity

ASTM D1125-95 (2005)

LC186807	125mL	Amber Glass	Not Regulated	24	\$575.00
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Platinum-Cobalt Color Standards, APHA – See Color Standards, Page 26.

Polyseed®, for BOD

APHA 5210

LC1888050	EA	50 Capsule Bottle	Not Regulated	N/A	\$134.00
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Polyseed NX®, for BOD

APHA 5210

LC1889050	EA	50 Capsule Bottle	Not Regulated	N/A	\$175.00
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Potassium AA Standard, 100ppm (1 mL = 0.1 mg K)

Traceable to NIST

LC201101	500mL	Poly Bottle	Not Regulated	12	\$24.40
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BOD Testing Reagents – See Page 109 for Complete Listing.

Potassium AA Standard, 1000ppm (1 mL = 1 mg K)

Traceable to NIST

LC201007	125mL	Poly Bottle	Not Regulated	24	\$17.00
LC201001	500mL	Poly Bottle	Not Regulated	24	\$35.10

Potassium Acid Phthalate, ACS

LC186901	500g	Poly Bottle	Not Regulated	N/A	\$75.40
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Potassium Acid Phthalate, 0.05N (0.05M) (Potassium Hydrogen Phthalate)

APHA 2310 B

Traceable to NIST

LC187001	500mL	Poly Bottle	Not Regulated	24	\$25.20
LC187002	1L	Poly Bottle	Not Regulated	24	\$42.00

Potassium Acid Phthalate, 1mL=1mg COD – See COD Standard, Page 25.

Potassium Antimony Tartrate, ACS

LC187109	100g	Poly Bottle	UN1551, 6.1, P.G.III	N/A	\$52.50
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Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2012 Price
Potassium Antimony Tartrate Solution, for Phosphorus					
APHA 4500-P E,F					
LC187201	500mL	Poly Bottle	Not Regulated	6	\$28.10
LC187202	1L	Poly Bottle	Not Regulated	6	\$48.80
Potassium Biiodate					
LC187259	100g	Amber Glass	Not Regulated	N/A	\$60.70
Potassium Biiodate, 0.025N (0.0021M)					
APHA 4500 O C, ASTM D888-05 A					
<i>Traceable to NIST</i>					
LC187302	1L	Poly Bottle	Not Regulated	24	\$38.30
LC187304	4L	Poly Bottle	Not Regulated	24	\$81.60
Potassium Biiodate, 0.0282N (0.00235M), for Residual Chlorine					
ASTM D1253-03					
<i>Traceable to NIST</i>					
LC187351	500mL	Poly Bottle	Not Regulated	24	\$26.40
Potassium Biiodate, 0.0375N (0.00313M)					
ASTM D888-05 A					
<i>Traceable to NIST</i>					
LC187371	500mL	Poly Bottle	Not Regulated	24	\$24.40
LC187372	1L	Poly Bottle	Not Regulated	24	\$36.60
Potassium Biiodate, 0.1N (0.0085M)					
<i>Traceable to NIST</i>					
LC187401	500mL	Poly Bottle	Not Regulated	24	\$27.30
LC187402	1L	Poly Bottle	Not Regulated	24	\$43.30
Potassium Bisulfite					
LC187701	500g	Amber Glass	Not Regulated	N/A	\$98.90
Potassium Bromide, ACS					
LC187811	500g	Poly Bottle	Not Regulated	N/A	\$67.90
Potassium Bromide, 10% w/v					
<i>Traceable to NIST</i>					
LC187824	4L	Poly Bottle	Not Regulated	24	\$109.40
Potassium Bromide Solution, for Mercury					
APHA 3500-Hg C (19th Ed.)					
LC187851	500mL	Poly Bottle	Not Regulated	24	\$38.70
Potassium Chloride, ACS					
LC187901	500g	Poly Bottle	Not Regulated	N/A	\$29.70



Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2012 Price
Potassium Chloride Conductivity Reference Solutions – See Conductivity Standards, Page 26–28.					

Potassium Chloride, 3.0M (3.0N)

Traceable to NIST

LC187951	500mL	Poly Bottle	Not Regulated	24	\$19.60
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Potassium Chloride, 4M (4N), Electrode Filling Solution, Saturated with AgCl

Traceable to NIST

LC140007	125mL	Poly Bottle	Not Regulated	24	\$13.10
LC140001	500mL	Poly Bottle	Not Regulated	24	\$19.60
LC140002	1L	Poly Bottle	Not Regulated	24	\$34.30

Potassium Chloride Saturated, Electrode Filling Solution

LC188007	125mL	Poly Bottle	Not Regulated	24	\$12.10
LC188001	500mL	Poly Bottle	Not Regulated	24	\$19.10
LC188002	1L	Poly Bottle	Not Regulated	24	\$34.10
LC188006	10L	Cubitainer®	Not Regulated	24	\$159.00

Potassium Chromate, ACS

LC188309	100g	Poly Bottle	UN3087, 5.1(6.1), P.G.III	N/A	\$27.50
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Potassium Chromate Solutions Are Available in Any Size or Concentration. Please Call for a Quote.

Potassium Chromate, 0.063%, for Silica

APHA 4500-SiO₂ C,D

LC188401	500mL	Poly Bottle	Not Regulated	24	\$18.10
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Potassium Chromate Indicator, 5% w/v, for Chloride

APHA 4500-Cl⁻ B, ASTM D512-04 B

LC188501	500mL	Poly Bottle	Not Regulated	24	\$16.20
LC188502	1L	Poly Bottle	Not Regulated	24	\$30.20
LC188504	4L	Poly Bottle	Not Regulated	24	\$91.10

Potassium Dichromate, ACS

LC189401	500g	Poly Bottle	UN3086, 6.1(5.1), P.G.II	N/A	\$80.60
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Potassium Dichromate Solutions Are Available in Any Size or Concentration. Please Call for a Quote.

Potassium Dichromate, 4% w/v

TAPPI T421 om-97

LC189451	500mL	Poly Bottle	Not Regulated	24	\$24.40
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Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2012 Price
Potassium Dichromate, 9% w/v					
TAPPI T429 om-01					
LC189471	500mL	Poly Bottle	UN3122, 6.1, P.G.II	24	\$28.80
Potassium Dichromate, 0.025N (0.0042M), for COD					
ASTM D1252-00 A					
<i>Traceable to NIST</i>					
LC189501	500mL	Poly Bottle	Not Regulated	12	\$16.70
LC189502	1L	Poly Bottle	Not Regulated	12	\$25.80
Potassium Dichromate, 0.0417M (0.250N), for COD					
APHA 5220 B					
<i>Traceable to NIST</i>					
LC189602	1L	Poly Bottle	Not Regulated	24	\$25.20
Potassium Dichromate, 0.1N (0.0167M)					
<i>Traceable to NIST</i>					
LC189801	500mL	Poly Bottle	Not Regulated	12	\$13.90
LC189802	1L	Poly Bottle	Not Regulated	12	\$24.40
LC189804	4L	Poly Bottle	Not Regulated	12	\$50.00
LC189806	10L	Cubitainer®	Not Regulated	12	\$116.80
LC189805	20L	Cubitainer®	Not Regulated	12	\$177.50
Potassium Dichromate, 0.2N (0.0333M)					
<i>Traceable to NIST</i>					
LC190001	500mL	Poly Bottle	Not Regulated	12	\$20.00
LC190002	1L	Poly Bottle	Not Regulated	12	\$34.50
LC190004	4L	Poly Bottle	Not Regulated	12	\$60.00
Potassium Dichromate, 0.25N (0.0417M)					
<i>Traceable to NIST</i>					
LC190101	500mL	Poly Bottle	Not Regulated	24	\$20.00
LC190102	1L	Poly Bottle	Not Regulated	24	\$34.50
LC190104	4L	Poly Bottle	Not Regulated	24	\$63.60
LC190106	10L	Cubitainer®	Not Regulated	24	\$126.00
LC190105	20L	Cubitainer®	Not Regulated	24	\$163.50
Potassium Dichromate, 0.5N (0.083M)					
TAPPI 203 cm-99, T235 cm-00					
<i>Traceable to NIST</i>					
LC190202	1L	Poly Bottle	Not Regulated	24	\$39.40
LC190204	4L	Poly Bottle	Not Regulated	24	\$110.80
Potassium Ferricyanide, ACS					
LC190401	500g	Poly Bottle	Not Regulated	N/A	\$72.90



Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2012 Price
Potassium Ferricyanide, 10% w/v					
APHA 5530 C,D <i>Traceable to NIST</i>					
LC190501	500mL	Amber Poly	Not Regulated	12	\$31.90
LC190502	1L	Amber Poly	Not Regulated	12	\$43.50
Potassium Ferrocyanide, Trihydrate, ACS					
LC190551	500g	Amber Glass	Not Regulated	N/A	\$67.70
Potassium Ferrocyanide, 10% w/v					
<i>Traceable to NIST</i>					
LC190601	500mL	Amber Poly	Not Regulated	18	\$35.40
LC190602	1L	Amber Poly	Not Regulated	18	\$49.20
Potassium Fluoride, Reagent Grade					
LC190901	500g	Poly Bottle	UN1812, 6.1, P.G.III	N/A	\$70.60
Potassium Fluoride, 40% w/v, for Dissolved Oxygen					
APHA 4500-O D, ASTM D888-05 A					
LC191001	500mL	Poly Bottle	Not Regulated	24	\$54.80
LC191002	1L	Poly Bottle	Not Regulated	24	\$98.60
LC191004	4L	Poly Bottle	Not Regulated	24	\$203.70
Potassium Fluoride, 50% w/v as Dihydrate					
LC191101	500mL	Poly Bottle	UN3422, 6.1, P.G.III	24	\$56.90
LC191102	1L	Poly Bottle	UN3422, 6.1, P.G.III	24	\$110.20
LC191104	4L	Poly Bottle	UN3422, 6.1, P.G.III	24	\$218.70
LC191106	10L	Cubitainer®	UN3422, 6.1, P.G.III	24	\$504.30
LC191105	20L	Cubitainer®	UN3422, 6.1, P.G.III	24	\$819.10
Potassium Hydrogen Phthalate Standards – See COD Standard, Page 25 and Potassium Acid Phthalate, 0.05N, Page 64.					
Potassium Hydroxide, ACS					
LC191901	500g	Poly Bottle	UN1813, 8, P.G.II	N/A	\$30.90
LC191902	1kg	Poly Bottle	UN1813, 8, P.G.II	N/A	\$50.60



Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2012 Price
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Potassium Hydroxide Solutions Are Available in Any Size or Concentration. Please Call for a Quote.

Potassium Hydroxide, 10% w/v

Traceable to NIST

LC192001	500mL	Poly Bottle	UN1814, 8, P.G.II	24	\$16.10
LC192002	1L	Poly Bottle	UN1814, 8, P.G.II	24	\$24.50
LC192004	4L	Poly Bottle	UN1814, 8, P.G.II	24	\$50.30
LC192005	20L	Cubitainer®	UN1814, 8, P.G.II	24	\$177.80

Potassium Hydroxide, 20% w/v

Traceable to NIST

LC192201	500mL	Poly Bottle	UN1814, 8, P.G.II	24	\$19.20
LC192202	1L	Poly Bottle	UN1814, 8, P.G.II	24	\$29.50
LC192204	4L	Poly Bottle	UN1814, 8, P.G.II	24	\$71.40

Potassium Hydroxide, 30% w/v

Traceable to NIST

LC192401	500mL	Poly Bottle	UN1814, 8, P.G.II	24	\$17.50
LC192402	1L	Poly Bottle	UN1814, 8, P.G.II	24	\$28.70
LC192404	4L	Poly Bottle	UN1814, 8, P.G.II	24	\$65.70
LC192406	10L	Cubitainer®	UN1814, 8, P.G.II	24	\$113.10

Potassium Hydroxide, 45% w/v

Traceable to NIST

LC192501	500mL	Poly Bottle	UN1814, 8, P.G.II	N/A	\$19.80
LC192502	1L	Poly Bottle	UN1814, 8, P.G.II	N/A	\$31.10
LC192504	4L	Poly Bottle	UN1814, 8, P.G.II	N/A	\$60.20
LC192505	20L	Poly Drum	UN1814, 8, P.G.II	N/A	\$287.80

Potassium Hydroxide, 50% w/v

Traceable to NIST

LC192601	500mL	Poly Bottle	UN1814, 8, P.G.II	24	\$23.80
LC192602	1L	Poly Bottle	UN1814, 8, P.G.II	24	\$35.50
LC192604	4L	Poly Bottle	UN1814, 8, P.G.II	24	\$73.60

Potassium Hydroxide, 0.01N (0.01M)

Traceable to NIST

LC192751	500mL	Poly Bottle	Not Regulated	24	\$15.40
LC192754	4L	Poly Bottle	Not Regulated	24	\$63.10

Potassium Hydroxide, 0.05N (0.05M)

Traceable to NIST

LC192802	1L	Poly Bottle	Not Regulated	24	\$34.20
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Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2012 Price
Potassium Hydroxide, 0.1N (0.1M)					
<i>Traceable to NIST</i>					
LC193001	500mL	Poly Bottle	Not Regulated	24	\$12.90
LC193002	1L	Poly Bottle	Not Regulated	24	\$14.90
LC193004	4L	Poly Bottle	Not Regulated	24	\$51.60
LC193006	10L	Cubitainer®	Not Regulated	24	\$103.80
LC193005	20L	Cubitainer®	Not Regulated	24	\$139.60
Potassium Hydroxide, 0.1N (0.1M) in Ethanol					
TAPPI T628 cm-01					
<i>Traceable to NIST</i>					
LC193101	500mL	Amber Glass	UN1170, 3, P.G.II	6	\$19.50
LC193102	1L	Amber Glass	UN1170, 3, P.G.II	6	\$22.70
Potassium Hydroxide, 0.1N (0.1M) in Isopropanol					
<i>Traceable to NIST</i>					
LC195502	1L	Poly Bottle	UN1993, 3, P.G.II	18	\$33.00
LC195504	4L	Poly Bottle	UN1993, 3, P.G.II	18	\$68.80
LC195506	10L	Cubitainer®	UN1993, 3, P.G.II	18	\$122.60
LC195505	20L	Cubitainer®	UN1993, 3, P.G.II	18	\$183.20
Potassium Hydroxide, 0.1N (0.1M) in Methanol					
<i>Traceable to NIST</i>					
LC195001	500mL	Poly Bottle	UN1993, 3, P.G.II	18	\$16.40
LC195002	1L	Poly Bottle	UN1993, 3, P.G.II	18	\$23.00
LC195004	4L	Poly Bottle	UN1993, 3, P.G.II	18	\$64.40
LC195006	10L	Cubitainer®	UN1993, 3, P.G.II	18	\$127.90
LC195005	20L	Cubitainer®	UN1993, 3, P.G.II	18	\$247.30
Potassium Hydroxide, 0.5N (0.5M)					
<i>Traceable to NIST</i>					
LC193201	500mL	Poly Bottle	UN1814, 8, P.G.II	24	\$14.90
LC193202	1L	Poly Bottle	UN1814, 8, P.G.II	24	\$18.50
LC193204	4L	Poly Bottle	UN1814, 8, P.G.II	24	\$54.60
LC193206	10L	Cubitainer®	UN1814, 8, P.G.II	24	\$123.10
LC193205	20L	Cubitainer®	UN1814, 8, P.G.II	24	\$143.20
Potassium Hydroxide, 0.5N (0.5M) in Ethanol					
<i>Traceable to NIST</i>					
LC195602	1L	Amber Glass	UN2924, 3(8), P.G.II	6	\$31.90
LC195604	4L	Amber Glass	UN2924, 3(8), P.G.II	6	\$73.80
LC195605	20L	Cubitainer®	UN2924, 3(8), P.G.II	6	\$252.30



Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2012 Price
Potassium Hydroxide, 0.5N (0.5M) in Isopropanol					
TAPPI T628 cm-01 <i>Traceable to NIST</i>					
LC195301	500mL	Poly Bottle	UN2924, 3(8), P.G.II	12	\$26.40
LC195302	1L	Poly Bottle	UN2924, 3(8), P.G.II	12	\$39.80
Potassium Hydroxide, 0.5N (0.5M) in Methanol					
<i>Traceable to NIST</i>					
LC195201	500mL	Poly Bottle	UN2924, 3(8), P.G.II	18	\$22.00
LC195202	1L	Poly Bottle	UN2924, 3(8), P.G.II	18	\$26.50
LC195204	4L	Poly Bottle	UN2924, 3(8), P.G.II	18	\$64.20
LC195205	20L	Cubitainer®	UN2924, 3(8), P.G.II	18	\$252.20
Potassium Hydroxide, 1.0N (1.0M)					
<i>Traceable to NIST</i>					
LC193501	500mL	Poly Bottle	UN1814, 8, P.G.II	24	\$17.10
LC193502	1L	Poly Bottle	UN1814, 8, P.G.II	24	\$22.70
LC193504	4L	Poly Bottle	UN1814, 8, P.G.II	24	\$52.20
LC193505	20L	Cubitainer®	UN1814, 8, P.G.II	24	\$163.40
Potassium Hydroxide, 1.0N (1.0M) in Methanol					
<i>Traceable to NIST</i>					
LC195402	1L	Poly Bottle	UN2924, 3(8), P.G.II	12	\$33.80
LC195404	4L	Poly Bottle	UN2924, 3(8), P.G.II	12	\$78.80
Potassium Hydroxide, 2.0N (2.0M)					
TAPPI T421 om-97 <i>Traceable to NIST</i>					
LC193602	1L	Poly Bottle	UN1814, 8, P.G.II	24	\$23.00
LC193604	4L	Poly Bottle	UN1814, 8, P.G.II	24	\$55.60
Potassium Hydroxide, 10N (10M)					
TAPPI T610 sp-02 <i>Traceable to NIST</i>					
LC193701	500mL	Poly Bottle	UN1814, 8, P.G.II	24	\$22.50
LC193702	1L	Poly Bottle	UN1814, 8, P.G.II	24	\$24.90
LC193704	4L	Poly Bottle	UN1814, 8, P.G.II	24	\$75.20
Potassium Iodate, ACS					
LC195909	100g	Poly Bottle	UN1479, 5.1, P.G.III	N/A	\$58.80
Potassium Iodate, 0.00564N (0.00094M), for Chlorine					
APHA 4500-Cl C <i>Traceable to NIST</i>					
LC196002	1L	Poly Bottle	Not Regulated	24	\$39.90



Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2012 Price
Potassium Iodate, 0.025N (0.0042M)					
<i>Traceable to NIST</i>					
LC196102	1L	Poly Bottle	Not Regulated	24	\$39.60
Potassium Iodate, 0.1N (0.0167M)					
<i>Traceable to NIST</i>					
LC196301	500mL	Poly Bottle	Not Regulated	24	\$19.00
LC196302	1L	Poly Bottle	Not Regulated	24	\$33.60
LC196304	4L	Poly Bottle	Not Regulated	24	\$60.50
Potassium Iodate, 0.125N (0.0208M)					
TAPPI T604 om-00					
<i>Traceable to NIST</i>					
LC196402	1L	Poly Bottle	Not Regulated	24	\$38.10
Potassium Iodate-Iodide, 0.0125N (0.002083M) (1mL = 0.5mg SO₃²⁻), for Sulfite					
APHA 4500-SO ₃ ²⁻ B,C					
<i>Traceable to NIST</i>					
LC196601	500mL	Amber Poly	Not Regulated	12	\$21.40
LC196602	1L	Amber Poly	Not Regulated	12	\$28.80
LC196604	4L	Poly Bottle	Not Regulated	12	\$61.00
LC196605	20L	Cubitainer®	Not Regulated	12	\$151.80
Potassium Iodate-Iodide, 0.1N (0.0167M)					
<i>Traceable to NIST</i>					
LC196801	500mL	Amber Poly	Not Regulated	12	\$33.20
LC196802	1L	Amber Poly	Not Regulated	12	\$41.00
LC196804	4L	Poly Bottle	Not Regulated	12	\$105.20
Potassium Iodide, ACS					
LC196908	100g	Amber Glass	Not Regulated	N/A	\$55.50
LC196901	500g	Amber Glass	Not Regulated	N/A	\$130.00
Potassium Iodide, 0.5% w/v, for Chlorine, Chlorine Dioxide					
APHA 4500-Cl F,G, 4500-ClO ₂ D (20th Ed.)					
<i>Traceable to NIST</i>					
LC197007	125mL	Amber Poly	Not Regulated	12	\$13.60
LC197001	500mL	Amber Poly	Not Regulated	12	\$28.50
Potassium Iodide, 2% w/v					
APHA 2350 E					
<i>Traceable to NIST</i>					
LC197201	500mL	Amber Poly	Not Regulated	24	\$24.20



Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2012 Price
Potassium Iodide, 5% w/v					
<i>Traceable to NIST</i>					
LC197401	500mL	Amber Poly	Not Regulated	24	\$18.10
LC197402	1L	Amber Poly	Not Regulated	24	\$29.70
LC197404	4L	Poly Bottle	Not Regulated	24	\$64.50
LC197406	10L	Cubitainer®	Not Regulated	24	\$145.60
Potassium Iodide, 10% w/v					
<i>Traceable to NIST</i>					
LC197601	500mL	Amber Poly	Not Regulated	24	\$24.00
LC197602	1L	Amber Poly	Not Regulated	24	\$36.60
LC197604	4L	Poly Bottle	Not Regulated	24	\$80.00
LC197606	10L	Cubitainer®	Not Regulated	24	\$190.00
LC197605	20L	Cubitainer®	Not Regulated	24	\$391.30
Potassium Iodide, 15% w/v, for Arsenic					
APHA 3500-As C,D (17th Ed.)					
<i>Traceable to NIST</i>					
LC197801	500mL	Amber Poly	Not Regulated	12	\$38.70
LC197802	1L	Amber Poly	Not Regulated	12	\$61.60
LC197804	4L	Poly Bottle	Not Regulated	12	\$185.20
LC197806	10L	Cubitainer®	Not Regulated	12	\$324.50
LC197805	20L	Cubitainer®	Not Regulated	12	\$407.70
Potassium Iodide, 20% w/v					
<i>Traceable to NIST</i>					
LC198001	500mL	Amber Poly	Not Regulated	12	\$46.30
LC198002	1L	Amber Poly	Not Regulated	12	\$83.40
LC198004	4L	Poly Bottle	Not Regulated	12	\$250.40
LC198005	20L	Cubitainer®	Not Regulated	12	\$744.30
Potassium Iodide, 1.0N (1.0M)					
<i>Traceable to NIST</i>					
LC198151	500mL	Amber Poly	Not Regulated	12	\$46.40
LC198152	1L	Amber Poly	Not Regulated	12	\$82.30
LC198154	4L	Poly Bottle	Not Regulated	12	\$279.20
Potassium Iodide-Iodine Reagent					
TAPPI T419 om-02					
LC198162	1L	Amber Glass	Not Regulated	24	\$31.90
Potassium Nitrate, ACS					
LC198181	500g	Poly Bottle	UN1486, 5.1, P.G.III	N/A	\$53.70



Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2012 Price
Potassium Nitrate, 10% w/v, for Filling Chloride Ion Selective Electrodes					
LC198207	125mL	Poly Bottle	Not Regulated	24	\$23.50
LC198201	500mL	Poly Bottle	Not Regulated	24	\$56.70
Potassium Nitrate Solution, for Filling Cyanide Ion Selective Electrodes					
APHA 4500-CN ⁻ F					
LC198307	125mL	Poly Bottle	Not Regulated	36	\$22.50
LC198301	500mL	Poly Bottle	Not Regulated	36	\$56.70
Potassium Oxalate, Monohydrate, ACS					
LC198351	500g	Poly Bottle	Not Regulated	N/A	\$64.60
Potassium Oxalate, 2% w/v, for Dissolved Oxygen					
APHA 4500-O D, ASTM D888-05 A <i>Traceable to NIST</i>					
LC198401	500mL	Poly Bottle	Not Regulated	36	\$22.20
Potassium Permanganate, ACS					
LC198501	500g	Poly Bottle	UN1490, 5.1, P.G.II	N/A	\$47.70
Potassium Permanganate, 0.891g/L, for Chlorine					
APHA 4500-Cl G <i>Traceable to NIST</i>					
LC198601	500mL	Amber Glass	Not Regulated	24	\$16.80
LC198602	1L	Amber Glass	Not Regulated	24	\$23.80
Potassium Permanganate, 0.63% w/v, for Dissolved Oxygen					
APHA 4500-O D, ASTM D888-05 A					
LC199001	500mL	Amber Glass	Not Regulated	24	\$20.00
Potassium Permanganate, 4% w/v, for Chromium					
APHA 3500-Cr B					
LC199301	500mL	Amber Glass	Not Regulated	24	\$23.80
LC199302	1L	Amber Glass	Not Regulated	24	\$37.60
Potassium Permanganate, 5% w/v, for Mercury, Metals					
APHA 3500-Hg B, C (19th Ed.), 3112 B <i>Traceable to NIST</i>					
LC199401	500mL	Amber Glass	Not Regulated	24	\$20.10
LC199402	1L	Amber Glass	Not Regulated	24	\$30.60
LC199404	4L	Amber Glass	Not Regulated	24	\$90.60
Potassium Permanganate, 0.05N (0.01M)					
<i>Traceable to NIST</i>					
LC199602	1L	Amber Glass	Not Regulated	12	\$17.60
LC199604	4L	Amber Glass	Not Regulated	12	\$44.70



Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2012 Price
Potassium Permanganate, 0.1N (0.02M)					
<i>Traceable to NIST</i>					
LC199801	500mL	Amber Glass	Not Regulated	12	\$14.30
LC199802	1L	Amber Glass	Not Regulated	12	\$15.70
LC199804	4L	Amber Glass	Not Regulated	12	\$43.60
LC199806	10L	Cubitainer®	Not Regulated	12	\$79.10
Potassium Permanganate, 0.18N (0.036M)					
<i>Traceable to NIST</i>					
LC199902	1L	Amber Glass	Not Regulated	12	\$21.80
LC199904	4L	Amber Glass	Not Regulated	12	\$53.40
Potassium Permanganate, 0.2N (0.040M)					
<i>Traceable to NIST</i>					
LC200001	500mL	Amber Glass	Not Regulated	12	\$17.40
LC200002	1L	Amber Glass	Not Regulated	12	\$21.00
LC200004	4L	Amber Glass	Not Regulated	12	\$51.60
LC200006	10L	Cubitainer®	Not Regulated	12	\$125.90
Potassium Permanganate, 0.5N (0.1M)					
<i>Traceable to NIST</i>					
LC200302	1L	Amber Glass	Not Regulated	12	\$24.20
LC200304	4L	Amber Glass	Not Regulated	12	\$70.20
LC200306	10L	Cubitainer®	Not Regulated	12	\$152.50
Potassium Permanganate, 0.588N (0.1176M)					
<i>Traceable to NIST</i>					
LC200402	1L	Amber Glass	Not Regulated	12	\$29.90
LC200404	4L	Amber Glass	Not Regulated	12	\$65.70
Potassium Permanganate, 1.0N (0.2M)					
<i>Traceable to NIST</i>					
LC200501	500mL	Amber Glass	Not Regulated	12	\$17.90
LC200502	1L	Amber Glass	Not Regulated	12	\$27.00
LC200504	4L	Amber Glass	Not Regulated	12	\$73.30
LC200506	10L	Cubitainer®	Not Regulated	12	\$131.20
Potassium Persulfate, ACS					
LC200701	500g	Poly Bottle	UN1492, 5.1, P.G.III	N/A	\$92.60
Potassium Persulfate, 5% w/v, for Mercury, Metals					
APHA 3500-Hg C (19th Ed.), 3112 B					
<i>Traceable to NIST</i>					
LC200801	500mL	Amber Glass	Not Regulated	12	\$20.20
LC200802	1L	Amber Glass	Not Regulated	12	\$29.50



Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2012 Price
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Potassium Phosphate, Dibasic, ACS

LC200901	500g	Poly Bottle	Not Regulated	N/A	\$70.70
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Potassium Phosphate, Monobasic, ACS

LC200951	500g	Poly Bottle	Not Regulated	N/A	\$39.80
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Potassium Pyrosulfate, ACS

TAPPI T627 om-02, T618 cm-01

LC200981	500g	Amber Glass	UN3260, 8, P.G.III	N/A	\$111.60
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Potassium Sodium Tartrate – See Sodium Potassium Tartrate, Page 93.

Potassium Thiocyanate, ACS

LC201201	500g	Poly Bottle	Not Regulated	N/A	\$77.40
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Potassium Thiocyanate, 4% w/v, for Iodide

APHA 4500-I⁻ C

Traceable to NIST

LC201301	500mL	Poly Bottle	Not Regulated	24	\$26.20
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Potassium Thiocyanate, 10% w/v

Traceable to NIST

LC221401	500mL	Poly Bottle	Not Regulated	24	\$32.30
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LC221402	1L	Poly Bottle	Not Regulated	24	\$47.60
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LC221404	4L	Poly Bottle	Not Regulated	24	\$95.50
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Potassium Thiocyanate, 0.1N (0.1M)

Traceable to NIST

LC221701	500mL	Poly Bottle	Not Regulated	12	\$20.80
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LC221702	1L	Poly Bottle	Not Regulated	12	\$27.80
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LC221704	4L	Poly Bottle	Not Regulated	12	\$61.90
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LC221706	10L	Cubitainer®	Not Regulated	12	\$147.10
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2-Propanol – See Isopropyl Alcohol, Page 48–49.

Pyridine-Barbituric Acid Reagent, for Cyanide

APHA 4500-CN⁻ E, H, I, K

Refrigerated Item

LC221901	500mL	Amber Glass	UN1789, 8, P.G.II	2	\$40.40
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LC221902	1L	Amber Glass	UN1789, 8, P.G.II	2	\$70.20
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Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2012 Price
Reagent Alcohol					
LC222001	500mL	Poly Bottle	UN1987, 3, P.G.II	N/A	\$19.60
LC222002	1L	Poly Bottle	UN1987, 3, P.G.II	N/A	\$28.70
LC222004	4L	Poly Bottle	UN1987, 3, P.G.II	N/A	\$55.70
LC222006	10L	Cubitainer®	UN1987, 3, P.G.II	N/A	\$87.20
LC222005	20L	Cubitainer®	UN1987, 3, P.G.II	N/A	\$160.30
Reagent Alcohol, 50% v/v					
LC222201	500mL	Poly Bottle	UN1987, 3, P.G.III	24	\$21.10
LC222204	4L	Poly Bottle	UN1987, 3, P.G.III	24	\$45.80
LC222205	20L	Cubitainer®	UN1987, 3, P.G.III	24	\$145.60
Reagent Alcohol, 70% v/v					
LC222102	1L	Poly Bottle	UN1987, 3, P.G.III	24	\$17.50
LC222104	4L	Poly Bottle	UN1987, 3, P.G.III	24	\$37.10
Rhodanine					
LC222408	25g	Amber Glass	Not Regulated	N/A	\$36.30
Rhodanine Indicator, 0.02% w/v					
LC222507	125mL	Poly Bottle	Not Regulated	24	\$29.20
Rochelle Salt Solutions – See Sodium Potassium Tartrate, Page 93.					
Safranin O					
LC223408	25g	Amber Glass	Not Regulated	N/A	\$57.20
Safranin, 1% w/v Alcoholic					
LC223601	500mL	Poly Bottle	UN1170, 3, P.G.II	24	\$22.80
Safranin, 1% w/v Aqueous					
LC223507	125mL	Poly Bottle	Not Regulated	24	\$13.70
LC223501	500mL	Poly Bottle	Not Regulated	24	\$22.50
Selenium AA Standard, 1000ppm (1 mL = 1mg Se)					
LC223707	125mL	Poly Bottle	UN3264, 8, P.G.II	24	\$26.00
LC223701	500mL	Poly Bottle	UN3264, 8, P.G.II	24	\$56.10
Silica Standard, 1000ppm (1 mL = 1mg SiO₂)					
<i>Traceable to NIST</i>					
LC223907	125mL	Poly Bottle	Not Regulated	12	\$21.30
LC223901	500mL	Poly Bottle	Not Regulated	12	\$35.40
Silicon AA Standard, 1000ppm (1 mL = 1mg Si)					
<i>Traceable to NIST</i>					
LC224007	125mL	Poly Bottle	Not Regulated	24	\$17.80
LC224001	500mL	Poly Bottle	Not Regulated	24	\$36.80



Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2012 Price
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Prices Listed for Silver Salts and Solutions Are Subject to Change.
Please Call for Current Prices.

Silver AA Standard, 1000ppm (1 mL = 1 mg Ag)

Traceable to NIST

LC224207	125mL	Amber Glass	Not Regulated	24	\$31.70
LC224201	500mL	Amber Glass	Not Regulated	24	\$55.00

Silver Arsenite in Sulfuric Acid

TAPPI T613 cm-00

LC224222	1L	Amber Glass	UN2922, 8(6.1), P.G.II	12	\$144.40
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Silver Diethyldithiocarbamate, ACS

Refrigerated Item

LC224258	25g	Amber Glass	Not Regulated	N/A	\$235.30
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Silver Diethyldithiocarbamate, 0.3% in Chloroform, for Arsenic

APHA 3500-As B

Refrigerated Item

LC224301	500mL	Amber Glass	UN1888, 6.1, P.G.III	24	\$130.80
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Silver Nitrate, ACS

LC225009	100g	Amber Glass	UN1493, 5.1, P.G.II	N/A	\$299.40
LC225001	500g	Amber Glass	UN1493, 5.1, P.G.II	N/A	\$1,285.00

Silver Nitrate Solutions Are Available in Any Size or Concentration.
Please Call for a Quote.

Silver Nitrate, 10% w/v

Traceable to NIST

LC225507	125mL	Amber Glass	Not Regulated	24	\$67.60
LC225501	500mL	Amber Glass	Not Regulated	24	\$241.00
LC225502	1L	Amber Glass	Not Regulated	24	\$446.20

Silver Nitrate, 0.0025N (0.0025M) in Methanol

Traceable to NIST

LC227422	1L	Amber Glass	UN1993, 3, P.G.II	12	\$38.10
LC227424	4L	Amber Glass	UN1993, 3, P.G.II	12	\$105.00

Silver Nitrate, 0.01N (0.01M) in Isopropanol

Traceable to NIST

LC227451	500mL	Amber Glass	UN1993, 3, P.G.II	12	\$35.90
LC227452	1L	Amber Glass	UN1993, 3, P.G.II	12	\$45.90
LC227454	4L	Amber Glass	UN1993, 3, P.G.II	12	\$138.10



Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2012 Price
Silver Nitrate, 0.0141N (0.0141M), for Chloride, (1 mL = 0.5mg Cl⁻)					
APHA 4500-Cl ⁻ B, D <i>Traceable to NIST</i>					
LC226001	500mL	Amber Glass	Not Regulated	18	\$20.00
LC226002	1L	Amber Glass	Not Regulated	18	\$34.60
LC226004	4L	Amber Glass	Not Regulated	18	\$67.80
LC226006	10L	Cubitainer®	Not Regulated	18	\$141.80
LC226005	20L	Cubitainer®	Not Regulated	18	\$266.00
Silver Nitrate, 0.0171N (0.0171M) (1 mL = 1 mg NaCl)					
<i>Traceable to NIST</i>					
LC226202	1L	Amber Glass	Not Regulated	18	\$23.90
LC226204	4L	Amber Glass	Not Regulated	18	\$74.30
LC226205	20L	Cubitainer®	Not Regulated	18	\$291.20
Silver Nitrate, 0.0192N (0.0192M), for Cyanide, (1 mL = 1 mg CN⁻)					
APHA 4500-CN ⁻ D <i>Traceable to NIST</i>					
LC226301	500mL	Amber Glass	Not Regulated	18	\$24.50
LC226302	1L	Amber Glass	Not Regulated	18	\$35.60
Silver Nitrate, 0.025N (0.025M)					
ASTM D512-04 B <i>Traceable to NIST</i>					
LC226401	500mL	Amber Glass	Not Regulated	18	\$28.80
LC226402	1L	Amber Glass	Not Regulated	18	\$35.70
LC226404	4L	Amber Glass	Not Regulated	18	\$83.80
Silver Nitrate, 0.0282N (0.0282M) (1 mL = 1 mg Cl⁻)					
<i>Traceable to NIST</i>					
LC226501	500mL	Amber Glass	Not Regulated	18	\$30.20
LC226502	1L	Amber Glass	Not Regulated	18	\$38.90
LC226504	4L	Amber Glass	Not Regulated	18	\$85.40
Silver Nitrate, 0.045N (0.045M)					
<i>Traceable to NIST</i>					
LC226604	4L	Amber Glass	Not Regulated	24	\$139.50
Silver Nitrate, 0.05N (0.05M)					
<i>Traceable to NIST</i>					
LC226701	500mL	Amber Glass	Not Regulated	24	\$39.20
LC226702	1L	Amber Glass	Not Regulated	24	\$46.80
LC226704	4L	Amber Glass	Not Regulated	24	\$148.90
LC226705	20L	Cubitainer®	Not Regulated	24	\$520.00



Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2012 Price
Silver Nitrate, 0.1N (0.1M)					
<i>Traceable to NIST</i>					
LC227001	500mL	Amber Glass	Not Regulated	24	\$42.20
LC227002	1L	Amber Glass	Not Regulated	24	\$56.60
LC227004	4L	Amber Glass	Not Regulated	24	\$190.40
LC227006	10L	Cubitainer®	Not Regulated	24	\$427.00
LC227005	20L	Cubitainer®	Not Regulated	24	\$821.00
Silver Nitrate, 0.141N (0.141M) (1mL = 5mg Cl⁻)					
<i>Traceable to NIST</i>					
LC227101	500mL	Amber Glass	Not Regulated	24	\$70.20
LC227102	1L	Amber Glass	Not Regulated	24	\$112.00
LC227104	4L	Amber Glass	Not Regulated	24	\$364.20
Silver Nitrate, 0.153N (0.153M)					
<i>Traceable to NIST</i>					
LC227151	500mL	Amber Glass	Not Regulated	24	\$75.70
LC227152	1L	Amber Glass	Not Regulated	24	\$133.00
LC227154	4L	Amber Glass	Not Regulated	24	\$398.00
Silver Nitrate, 0.171N (0.171M) (1mL = 10mg NaCl)					
<i>Traceable to NIST</i>					
LC227202	1L	Amber Glass	Not Regulated	24	\$146.40
LC227204	4L	Amber Glass	Not Regulated	24	\$419.50
LC227205	20L	Cubitainer®	Not Regulated	24	\$1,670.00
Silver Nitrate, 0.282N (0.282M) (1mL = 10mg Cl⁻)					
<i>Traceable to NIST</i>					
LC227251	500mL	Amber Glass	Not Regulated	24	\$122.00
LC227252	1L	Amber Glass	Not Regulated	24	\$205.50
LC227254	4L	Amber Glass	Not Regulated	24	\$732.00
Silver Nitrate, 0.5N (0.5M)					
<i>Traceable to NIST</i>					
LC227301	500mL	Amber Glass	Not Regulated	24	\$206.00
LC227302	1L	Amber Glass	Not Regulated	24	\$372.00
Silver Nitrate, 1.0N (1.0M)					
<i>Traceable to NIST</i>					
LC227401	500mL	Amber Glass	Not Regulated	24	\$265.90
LC227402	1L	Amber Glass	Not Regulated	24	\$498.10
Silver Nitrate–Nitric Acid, for Sulfate					
APHA 4500–SO ₄ ²⁻ C, D					
LC227501	500mL	Amber Glass	Not Regulated	24	\$85.50



Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2012 Price
Silver Sulfate, ACS					
LC227558	25g	Amber Glass	Not Regulated	N/A	\$115.80
Silver Sulfate-Sulfuric Acid, for COD					
APHA 5220 B,C,D, ASTM D1252-00 A					
LC227601	500mL	Amber Glass	UN1830, 8, P.G.II	24	\$117.10
Soap Solution, APHA (1 mL = 1 mg CaCO₃)					
LC228002	1L	Poly Bottle	UN1993, 3, P.G.II	N/A	\$30.00
LC228004	4L	Poly Bottle	UN1993, 3, P.G.II	N/A	\$82.30
Sodium AA Standard, 1000ppm (1 mL = 1 mg Na)					
<i>Traceable to NIST</i>					
LC228107	125mL	Poly Bottle	Not Regulated	24	\$20.10
LC228101	500mL	Poly Bottle	Not Regulated	24	\$36.60
Sodium Acetate, Trihydrate, ACS					
LC228201	500g	Poly Bottle	Not Regulated	N/A	\$29.40
Sodium Acetate, 20% w/w, for Iron					
APHA 3500-Fe D					
<i>Traceable to NIST</i>					
LC228301	500mL	Poly Bottle	Not Regulated	12	\$36.30
LC228304	4L	Poly Bottle	Not Regulated	12	\$154.00
Sodium Acetate, 0.2M (0.2N), for Arsenic					
APHA 3500-As B					
<i>Traceable to NIST</i>					
LC228401	500mL	Poly Bottle	Not Regulated	24	\$30.10
Sodium Acetate, 2.0M (2.0N), for Zinc					
APHA 3500-Zn D (19th Ed.)					
<i>Traceable to NIST</i>					
LC228501	500mL	Poly Bottle	Not Regulated	24	\$26.40
LC228502	1L	Poly Bottle	Not Regulated	24	\$46.20
LC228504	4L	Poly Bottle	Not Regulated	24	\$110.40
Sodium Ammonium Phosphate, Saturated					
TAPPI T619 cm-01					
LC228602	1L	Poly Bottle	Not Regulated	24	\$38.20
Sodium Arsenite					
LC228709	100g	Poly Bottle	UN2027, 6.1, P.G.II	N/A	\$87.70
Sodium Arsenite, 0.5% w/v, for Residual Chlorine, Chlorine Dioxide					
APHA 4500-Cl F,G, 4500-ClO ₂ D (20th Ed.)					
LC228801	500mL	Poly Bottle	Not Regulated	24	\$19.80



Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2012 Price
Sodium Arsenite, 0.1N (0.05M), for Residual Chlorine					
APHA 4500-CI C <i>Traceable to NIST</i>					
LC229001	500mL	Poly Bottle	Not Regulated	24	\$27.70
LC229002	1L	Poly Bottle	Not Regulated	24	\$43.90
Sodium Azide, 0.5% w/v, for Chromium					
APHA 3500-Cr B					
LC229401	500mL	Poly Bottle	Not Regulated	24	\$28.90
LC229402	1L	Poly Bottle	Not Regulated	24	\$32.80
Sodium Bicarbonate, ACS					
LC229431	500g	Poly Bottle	Not Regulated	N/A	\$19.00
Sodium Bicarbonate, 5.5% w/v, for Chlorine Dioxide					
APHA ClO ₂ D (20th Ed.)				Refrigerated Item	
LC229451	500mL	Poly Bottle	Not Regulated	24	\$16.80
Sodium Bicarbonate, Saturated, for Neutralization					
LC229471	500mL	Poly Bottle	Not Regulated	24	\$17.50
LC229474	4L	Poly Bottle	Not Regulated	24	\$39.30
Sodium Bicarbonate-Sodium Chloride Solution					
TAPPI T237 cm-98					
LC229482	1L	Poly Bottle	Not Regulated	24	\$20.50
Sodium Borate, Decahydrate, ACS					
LC229551	500g	Poly Bottle	Not Regulated	N/A	\$32.50
Sodium Borate, 40g/L					
<i>Traceable to NIST</i>					
LC229601	500mL	Poly Bottle	Not Regulated	24	\$35.80
Sodium Borate Buffer Solution					
TAPPI T226 cm-01					
LC229622	1L	Poly Bottle	Not Regulated	24	\$31.80
Sodium Bromide, ACS					
LC229611	500g	Poly Bottle	Not Regulated	N/A	\$38.30
Sodium Carbonate, Anhydrous, ACS					
LC229651	500g	Poly Bottle	Not Regulated	N/A	\$30.70
Sodium Carbonate, 0.53% w/v					
TAPPI T684 om-02					
LC229752	1L	Poly Bottle	Not Regulated	24	\$19.30



Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2012 Price
Sodium Carbonate, 5% w/v					
<i>Traceable to NIST</i>					
LC229702	1L	Poly Bottle	Not Regulated	24	\$22.00
Sodium Carbonate, 10% w/v					
<i>Traceable to NIST</i>					
LC229801	500mL	Poly Bottle	Not Regulated	24	\$19.80
LC229804	4L	Poly Bottle	Not Regulated	24	\$49.50
Sodium Carbonate, 0.02N (0.01M)					
<i>Traceable to NIST</i>					
LC229901	500mL	Poly Bottle	Not Regulated	12	\$30.70
Sodium Carbonate, 0.025N (0.0125M)					
<i>Traceable to NIST</i>					
LC230001	500mL	Poly Bottle	Not Regulated	12	\$17.60
Sodium Carbonate, 0.0455N (0.02275M)					
<i>Traceable to NIST</i>					
LC230201	500mL	Poly Bottle	Not Regulated	12	\$17.60
LC230202	1L	Poly Bottle	Not Regulated	12	\$24.20
Sodium Carbonate, 0.1N (0.05M)					
<i>Traceable to NIST</i>					
LC233501	500mL	Poly Bottle	Not Regulated	12	\$20.90
LC233502	1L	Poly Bottle	Not Regulated	12	\$28.60
LC233504	4L	Poly Bottle	Not Regulated	12	\$30.80
Sodium Carbonate, 1.0N (0.5M)					
<i>Traceable to NIST</i>					
LC233801	500mL	Poly Bottle	Not Regulated	12	\$19.50
LC233802	1L	Poly Bottle	Not Regulated	12	\$28.20
LC233804	4L	Poly Bottle	Not Regulated	12	\$78.30
Sodium Carbonate, 1.0M (2.0N)					
TAPPI T624 cm-00					
<i>Traceable to NIST</i>					
LC233902	1L	Poly Bottle	Not Regulated	12	\$39.60
Sodium Chloride, ACS					
LC234201	500g	Poly Bottle	Not Regulated	N/A	\$25.00



Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2012 Price
Sodium Chloride, 0.85% w/v, Non-Sterile					
<i>Traceable to NIST</i>					
LC234501	500mL	Poly Bottle	Not Regulated	24	\$13.60
LC234502	1L	Poly Bottle	Not Regulated	24	\$16.90
LC234504	4L	Poly Bottle	Not Regulated	24	\$26.10
LC234505	20L	Cubitainer®	Not Regulated	24	\$78.60
Sodium Chloride, 0.9% w/v, Non-Sterile					
<i>Traceable to NIST</i>					
LC234601	500mL	Poly Bottle	Not Regulated	24	\$11.60
LC234602	1L	Poly Bottle	Not Regulated	24	\$15.80
LC234604	4L	Poly Bottle	Not Regulated	24	\$27.10
LC234606	10L	Cubitainer®	Not Regulated	24	\$64.60
LC234605	20L	Cubitainer®	Not Regulated	24	\$72.20
Sodium Chloride, 5% w/v					
ASTM D2187-94					
<i>Traceable to NIST</i>					
LC234801	500mL	Poly Bottle	Not Regulated	24	\$15.70
LC234802	1L	Poly Bottle	Not Regulated	24	\$26.30
Sodium Chloride, 9% w/v					
<i>Traceable to NIST</i>					
LC234854	4L	Poly Bottle	Not Regulated	24	\$26.20
LC234855	20L	Cubitainer®	Not Regulated	24	\$99.00
Sodium Chloride, 20% w/v, for Iodide					
APHA 4500-I ⁻ C					
<i>Traceable to NIST</i>					
LC235001	500mL	Poly Bottle	Not Regulated	24	\$20.70
LC235002	1L	Poly Bottle	Not Regulated	24	\$34.90
Sodium Chloride, 240g/L, for Sulfate (Contains Hydrochloric Acid)					
ASTM D516-90					
LC235101	500mL	Poly Bottle	UN1789, 8, P.G.III	36	\$43.60
Sodium Chloride, 25% w/v					
<i>Traceable to NIST</i>					
LC235201	500mL	Poly Bottle	Not Regulated	24	\$38.50
LC235204	4L	Poly Bottle	Not Regulated	24	\$106.70
Sodium Chloride, 30% w/v					
<i>Traceable to NIST</i>					
LC235401	500mL	Poly Bottle	Not Regulated	36	\$38.50
LC235404	4L	Poly Bottle	Not Regulated	36	\$106.70



Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2012 Price
Sodium Chloride, 0.0141N (0.0141M) – See Chloride Standard, Page 24.					

Sodium Chloride, 0.025N (0.025M), for Chloride

ASTM D512-04 A, B

Traceable to NIST

LC235501	500mL	Poly Bottle	Not Regulated	12	\$25.10
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Sodium Chloride, 0.1N (0.1M)

Traceable to NIST

LC235701	500mL	Poly Bottle	Not Regulated	24	\$20.70
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LC235702	1L	Poly Bottle	Not Regulated	24	\$33.80
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Sodium Chloride, 1.0N (1.0M)

Traceable to NIST

LC235802	1L	Poly Bottle	Not Regulated	24	\$35.20
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Sodium Chloride – Hydroxylamine Sulfate, for Metals

APHA 3112 B

LC236001	500mL	Poly Bottle	Not Regulated	24	\$56.80
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LC236002	1L	Poly Bottle	Not Regulated	24	\$87.60
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Sodium Chlorite, Technical, 80%

TAPPI T259 sp-98

LC236201	500g	Poly Bottle	UN1496, 5.1, P.G.II	N/A	\$114.60
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Sodium Citrate, Dihydrate, ACS

LC236501	500g	Poly Bottle	Not Regulated	N/A	\$27.50
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Sodium Citrate, 30% w/v, for Copper

APHA 3500-Cu B, C

LC236602	1L	Poly Bottle	Not Regulated	24	\$128.40
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Sodium Cyanide, 2.5% w/v, for Calcium, Magnesium

ASTM D511-08 A

LC237007	125mL	Poly Bottle	UN3414, 6.1, P.G.III	24	\$18.10
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Sodium Diethyldithiocarbamate, 0.1% w/v

LC237201	500mL	Amber Poly	Not Regulated	3	\$30.80
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Sodium Hydroxide, ACS, Pellets

LC239001	500g	Poly Bottle	UN1823, 8, P.G.II	N/A	\$26.10
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LC239002	1kg	Poly Bottle	UN1823, 8, P.G.II	N/A	\$47.80
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Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2012 Price
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Sodium Hydroxide Solutions Are Available in Any Size or Concentration.
Please Call for a Quote.

Sodium Hydroxide, 1.6g/L, Dilution Solution for Cyanide

APHA 4500-CN⁻ D, E, F

Traceable to NIST

LC239502	1L	Poly Bottle	Not Regulated	24	\$29.70
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Sodium Hydroxide, 1% w/v

ASTM D512-04A

Traceable to NIST

LC240001	500mL	Poly Bottle	UN1824, 8, P.G.III	24	
LC240002	1L	Poly Bottle	UN1824, 8, P.G.III	24	\$19.60
LC240004	4L	Poly Bottle	UN1824, 8, P.G.III	24	\$45.60
LC240005	20L	Cubitainer®	UN1824, 8, P.G.III	24	\$103.60

Sodium Hydroxide, 5% w/v

Traceable to NIST

LC240402	1L	Poly Bottle	UN1824, 8, P.G.II	24	\$20.00
LC240404	4L	Poly Bottle	UN1824, 8, P.G.II	24	\$43.90

Sodium Hydroxide, 8% w/v, for Calcium, Magnesium

ASTM D511-08A

Traceable to NIST

LC240602	1L	Poly Bottle	UN1824, 8, P.G.II	24	\$20.50
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Sodium Hydroxide, 10% w/v

Traceable to NIST

LC240701	500mL	Poly Bottle	UN1824, 8, P.G.II	24	\$14.30
LC240702	1L	Poly Bottle	UN1824, 8, P.G.II	24	\$18.40
LC240704	4L	Poly Bottle	UN1824, 8, P.G.II	24	\$42.60
LC240705	20L	Cubitainer®	UN1824, 8, P.G.II	24	\$131.40

Sodium Hydroxide, 10% w/w

Traceable to NIST

LC240752	1L	Poly Bottle	UN1824, 8, P.G.II	24	\$19.50
LC240754	4L	Poly Bottle	UN1824, 8, P.G.II	24	\$43.10
LC240755	20L	Cubitainer®	UN1824, 8, P.G.II	24	\$129.10
LC24075200	200L	Poly Drum	UN1824, 8, P.G.II	24	\$719.80

Sodium Hydroxide, 17.5% w/w (5.24N) (5.24M)

TAPPI T429 cm-01

Traceable to NIST

LC240782	1L	Poly Bottle	UN1824, 8, P.G.II	24	\$38.20
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Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2012 Price
Sodium Hydroxide, 18% w/w (5.39N) (5.39M)					
TAPPI T235 cm-00 <i>Traceable to NIST</i>					
LC240852	1L	Poly Bottle	UN1824, 8, P.G.II	24	\$40.70
Sodium Hydroxide, 20% w/v					
<i>Traceable to NIST</i>					
LC240901	500mL	Poly Bottle	UN1824, 8, P.G.II	24	\$17.40
LC240902	1L	Poly Bottle	UN1824, 8, P.G.II	24	\$24.70
LC240904	4L	Poly Bottle	UN1824, 8, P.G.II	24	\$46.50
Sodium Hydroxide, 21.5% w/w (6.64N) (6.64M)					
TAPPI T235 cm-00 <i>Traceable to NIST</i>					
LC240952	1L	Poly Bottle	UN1824, 8, P.G.II	24	\$43.30
Sodium Hydroxide, 24% w/v					
<i>Traceable to NIST</i>					
LC241002	1L	Poly Bottle	UN1824, 8, P.G.II	24	\$35.60
Sodium Hydroxide, 30% w/v					
<i>Traceable to NIST</i>					
LC241101	500mL	Poly Bottle	UN1824, 8, P.G.II	24	\$26.30
LC241102	1L	Poly Bottle	UN1824, 8, P.G.II	24	\$41.10
LC241104	4L	Poly Bottle	UN1824, 8, P.G.II	24	\$54.30
Sodium Hydroxide, 33% w/v					
<i>Traceable to NIST</i>					
LC241154	4L	Poly Bottle	UN1824, 8, P.G.II	24	\$46.20
LC241155	20L	Cubitainer®	UN1824, 8, P.G.II	24	\$139.70
Sodium Hydroxide, 40% w/w, for Kjeldahl Nitrogen					
<i>Traceable to NIST</i>					
LC241201	500mL	Poly Bottle	UN1824, 8, P.G.II	24	\$18.20
LC241202	1L	Poly Bottle	UN1824, 8, P.G.II	24	\$29.80
LC241204	4L	Poly Bottle	UN1824, 8, P.G.II	24	\$41.20
LC241206	10L	Cubitainer®	UN1824, 8, P.G.II	24	\$84.70
LC241205	20L	Poly Drum	UN1824, 8, P.G.II	24	\$175.20
Sodium Hydroxide, 50% w/v					
<i>Traceable to NIST</i>					
LC241401	500mL	Poly Bottle	UN1824, 8, P.G.II	24	\$28.30
LC241402	1L	Poly Bottle	UN1824, 8, P.G.II	24	\$45.30
LC241404	4L	Poly Bottle	UN1824, 8, P.G.II	24	\$50.90
LC241406	10L	Cubitainer®	UN1824, 8, P.G.II	24	\$217.80
LC241405	20L	Poly Drum	UN1824, 8, P.G.II	24	\$396.00



Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2012 Price
Sodium Hydroxide, 50% w/w, Reagent Grade					
<i>Traceable to NIST</i>					
LC241501	500mL	Poly Bottle	UN1824, 8, P.G.II	N/A	\$18.70
LC241502	1L	Poly Bottle	UN1824, 8, P.G.II	N/A	\$51.30
LC241504	4L	Poly Bottle	UN1824, 8, P.G.II	N/A	\$74.30
LC241506	10L	Cubitainer®	UN1824, 8, P.G.II	N/A	\$178.20
LC241505	20L	Poly Drum	UN1824, 8, P.G.II	N/A	\$294.00
LC24150200	200L	Poly Drum	UN1824, 8, P.G.II	N/A	\$1,299.60
Sodium Hydroxide, 0.01N (0.01M)					
<i>Traceable to NIST</i>					
LC242001	500mL	Poly Bottle	Not Regulated	24	\$13.10
LC242002	1L	Poly Bottle	Not Regulated	24	\$17.30
LC242004	4L	Poly Bottle	Not Regulated	24	\$36.20
Sodium Hydroxide, 0.01N (0.01M) in Methanol					
<i>Traceable to NIST</i>					
LC245202	1L	Poly Bottle	UN1993, 3, P.G.II	12	\$26.40
LC245204	4L	Poly Bottle	UN1993, 3, P.G.II	12	\$48.40
Sodium Hydroxide, 0.02N (0.02M)					
<i>Traceable to NIST</i>					
LC242201	500mL	Poly Bottle	Not Regulated	24	\$13.00
LC242202	1L	Poly Bottle	Not Regulated	24	\$16.40
LC242204	4L	Poly Bottle	Not Regulated	24	\$36.70
Sodium Hydroxide, 0.02N (0.02M) in Methanol, for Organic Acids					
APHA 5560 B					
<i>Traceable to NIST</i>					
LC245302	1L	Poly Bottle	UN1993, 3, P.G.II	12	\$44.00
Sodium Hydroxide, 0.0227N (0.0227M)					
<i>Traceable to NIST</i>					
LC242301	500mL	Poly Bottle	Not Regulated	24	\$16.50
LC242302	1L	Poly Bottle	Not Regulated	24	\$19.80
LC242305	20L	Cubitainer®	Not Regulated	24	\$106.70
Sodium Hydroxide, 0.05N (0.05M)					
<i>Traceable to NIST</i>					
LC242501	500mL	Poly Bottle	Not Regulated	24	\$11.40
LC242502	1L	Poly Bottle	Not Regulated	24	\$17.30
LC242504	4L	Poly Bottle	Not Regulated	24	\$35.70
LC242505	20L	Cubitainer®	Not Regulated	24	\$100.40



Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2012 Price
Sodium Hydroxide, 0.1N (0.1M)					
<i>Traceable to NIST</i>					
LC242701	500mL	Poly Bottle	Not Regulated	24	\$14.20
LC242702	1L	Poly Bottle	Not Regulated	24	\$16.40
LC242704	4L	Poly Bottle	Not Regulated	24	\$32.80
LC242706	10L	Cubitainer®	Not Regulated	24	\$82.90
LC242705	20L	Cubitainer®	Not Regulated	24	\$89.40
Sodium Hydroxide, 0.1N (0.1M) in Methanol					
<i>Traceable to NIST</i>					
LC245502	1L	Poly Bottle	UN1993, 3, P.G.II	12	\$44.30
LC245504	4L	Poly Bottle	UN1993, 3, P.G.II	12	\$89.40
Sodium Hydroxide, 0.125N (0.125M)					
TAPPI T604 om-00					
<i>Traceable to NIST</i>					
LC242752	1L	Poly Bottle	UN1824, 8, P.G.III	24	\$31.50
Sodium Hydroxide, 0.2N (0.2M)					
<i>Traceable to NIST</i>					
LC242801	500mL	Poly Bottle	UN1824, 8, P.G.III	24	\$14.00
LC242802	1L	Poly Bottle	UN1824, 8, P.G.III	24	\$16.50
LC242804	4L	Poly Bottle	UN1824, 8, P.G.III	24	\$36.10
LC242805	20L	Cubitainer®	UN1824, 8, P.G.III	24	\$103.50
Sodium Hydroxide, 0.25N (0.25M)					
<i>Traceable to NIST</i>					
LC243001	500mL	Poly Bottle	UN1824, 8, P.G.III	24	\$14.00
LC243002	1L	Poly Bottle	UN1824, 8, P.G.III	24	\$16.90
LC243004	4L	Poly Bottle	UN1824, 8, P.G.III	24	\$36.20
LC243006	10L	Cubitainer®	UN1824, 8, P.G.III	24	\$88.90
LC243005	20L	Cubitainer®	UN1824, 8, P.G.III	24	\$97.30
Sodium Hydroxide, 0.3125N (0.3125M)					
<i>Traceable to NIST</i>					
LC243052	1L	Poly Bottle	UN1824, 8, P.G.III	24	\$14.30
LC243054	4L	Poly Bottle	UN1824, 8, P.G.III	24	\$36.20
LC243055	20L	Cubitainer®	UN1824, 8, P.G.III	24	\$100.40
Sodium Hydroxide, 0.313N (0.313M)					
<i>Traceable to NIST</i>					
LC243072	1L	Poly Bottle	UN1824, 8, P.G.III	24	\$15.00
LC243074	4L	Poly Bottle	UN1824, 8, P.G.III	24	\$40.80
LC243075	20L	Cubitainer®	UN1824, 8, P.G.III	24	\$104.40



Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2012 Price
Sodium Hydroxide, 0.333N (0.333M)					
<i>Traceable to NIST</i>					
LC243104	4L	Poly Bottle	UN1824, 8, P.G.III	24	\$41.30
LC243105	20L	Cubitainer®	UN1824, 8, P.G.III	24	\$97.60
Sodium Hydroxide, 0.4N (0.4M)					
<i>Traceable to NIST</i>					
LC243202	1L	Poly Bottle	UN1824, 8, P.G.III	24	\$17.50
LC243204	4L	Poly Bottle	UN1824, 8, P.G.III	24	\$44.50
LC243205	20L	Cubitainer®	UN1824, 8, P.G.III	24	\$105.60
Sodium Hydroxide, 0.5N (0.5M)					
<i>Traceable to NIST</i>					
LC243301	500mL	Poly Bottle	UN1824, 8, P.G.III	24	\$13.80
LC243302	1L	Poly Bottle	UN1824, 8, P.G.III	24	\$15.30
LC243304	4L	Poly Bottle	UN1824, 8, P.G.III	24	\$36.10
LC243306	10L	Cubitainer®	UN1824, 8, P.G.III	24	\$82.90
LC243305	20L	Cubitainer®	UN1824, 8, P.G.III	24	\$94.90
Sodium Hydroxide, 1.0N (1.0M)					
<i>Traceable to NIST</i>					
LC243501	500mL	Poly Bottle	UN1824, 8, P.G.II	24	\$12.40
LC243502	1L	Poly Bottle	UN1824, 8, P.G.II	24	\$16.40
LC243504	4L	Poly Bottle	UN1824, 8, P.G.II	24	\$39.30
LC243506	10L	Cubitainer®	UN1824, 8, P.G.II	24	\$73.30
LC243505	20L	Cubitainer®	UN1824, 8, P.G.II	24	\$91.10
Sodium Hydroxide, 2.0N (2.0M)					
<i>Traceable to NIST</i>					
LC243801	500mL	Poly Bottle	UN1824, 8, P.G.II	24	\$16.50
LC243802	1L	Poly Bottle	UN1824, 8, P.G.II	24	\$22.20
LC243804	4L	Poly Bottle	UN1824, 8, P.G.II	24	\$44.80
LC243805	20L	Cubitainer®	UN1824, 8, P.G.II	24	\$184.40
Sodium Hydroxide, 2.5N (2.5M)					
<i>Traceable to NIST</i>					
LC244001	500mL	Poly Bottle	UN1824, 8, P.G.II	24	\$18.30
LC244002	1L	Poly Bottle	UN1824, 8, P.G.II	24	\$25.20
LC244004	4L	Poly Bottle	UN1824, 8, P.G.II	24	\$54.20



Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2012 Price
Sodium Hydroxide, 3.0N (3.0M)					
<i>Traceable to NIST</i>					
LC244201	500mL	Poly Bottle	UN1824, 8, P.G.II	24	\$18.30
LC244202	1L	Poly Bottle	UN1824, 8, P.G.II	24	\$24.20
LC244204	4L	Poly Bottle	UN1824, 8, P.G.II	24	\$51.40
LC244206	10L	Cubitainer®	UN1824, 8, P.G.II	24	\$108.00
Sodium Hydroxide, 4.0N (4.0M)					
TAPPI T504 cm-97					
<i>Traceable to NIST</i>					
LC244302	1L	Poly Bottle	UN1824, 8, P.G.II	24	\$33.00
LC244304	4L	Poly Bottle	UN1824, 8, P.G.II	24	\$72.80
Sodium Hydroxide, 5.0N (5.0M)					
<i>Traceable to NIST</i>					
LC244501	500mL	Poly Bottle	UN1824, 8, P.G.II	24	\$17.30
LC244502	1L	Poly Bottle	UN1824, 8, P.G.II	24	\$26.60
LC244504	4L	Poly Bottle	UN1824, 8, P.G.II	24	\$58.90
LC244505	20L	Cubitainer®	UN1824, 8, P.G.II	24	\$219.70
Sodium Hydroxide, 5.21N (5.21M)					
TAPPI T203 cm-99					
<i>Traceable to NIST</i>					
LC244554	4L	Poly Bottle	UN1824, 8, P.G.II	24	\$74.80
Sodium Hydroxide, 6.0N (6.0M)					
APHA 4500-Norg B, C					
<i>Traceable to NIST</i>					
LC244601	500mL	Poly Bottle	UN1824, 8, P.G.II	24	\$20.40
LC244602	1L	Poly Bottle	UN1824, 8, P.G.II	24	\$27.30
LC244604	4L	Poly Bottle	UN1824, 8, P.G.II	24	\$61.10
Sodium Hydroxide, 10.0N (10.0M)					
<i>Traceable to NIST</i>					
LC245001	500mL	Poly Bottle	UN1824, 8, P.G.II	24	\$21.80
LC245002	1L	Poly Bottle	UN1824, 8, P.G.II	24	\$28.40
LC245004	4L	Poly Bottle	UN1824, 8, P.G.II	24	\$57.90
LC245006	10L	Cubitainer®	UN1824, 8, P.G.II	24	\$142.80
LC245005	20L	Cubitainer®	UN1824, 8, P.G.II	24	\$181.90
Sodium Hydroxide, 12N (12M)					
TAPPI T624 cm-00					
<i>Traceable to NIST</i>					
LC245232	1L	Poly Bottle	UN1824, 8, P.G.II	24	\$49.50
LC245234	4L	Poly Bottle	UN1824, 8, P.G.II	24	\$80.90



Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2012 Price
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Sodium Hydroxide, 12.5N (12.5M)

TAPPI T504 cm-97

Traceable to NIST

LC245252	1L	Poly Bottle	UN1824, 8, P.G.II	24	\$49.00
LC245254	4L	Poly Bottle	UN1824, 8, P.G.II	24	\$79.10

**Sodium Hydroxide Dilution Solution for Cyanide –
See Sodium Hydroxide, 1.6g/L, Page 86.**

Sodium Hydroxide–Sodium Thiosulfate, for Nitrogen (Organic)

APHA 4500–Norg B, C, ASTM D3590–02 A

Traceable to NIST

LC246002	1L	Poly Bottle	UN1824, 8, P.G.II	24	\$29.10
LC246004	4L	Poly Bottle	UN1824, 8, P.G.II	24	\$40.20
LC246006	10L	Cubitainer®	UN1824, 8, P.G.II	24	\$79.50
LC246005	20L	Cubitainer®	UN1824, 8, P.G.II	24	\$130.40

Sodium Hypochlorite, 2–3% w/v

Traceable to NIST

LC246401	500mL	Poly Bottle	Not Regulated	12	\$16.20
LC246402	1L	Poly Bottle	Not Regulated	12	\$21.80
LC246404	4L	Poly Bottle	Not Regulated	12	\$36.90

Sodium Hypochlorite, 5% w/v, ACS

Traceable to NIST

LC246301	500mL	Poly Bottle	Not Regulated	12	\$12.10
LC246302	1L	Poly Bottle	Not Regulated	12	\$18.00
LC246304	4L	Poly Bottle	Not Regulated	12	\$32.60

Sodium Iodide, ACS

LC246451	500g	Amber Glass	Not Regulated	N/A	\$174.50
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Sodium Nitrate, ACS

LC246501	500g	Poly Bottle	UN1498, 5.1, P.G.III	N/A	\$63.50
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Sodium Nitrate Solution, 5M (5N), Adjustor for Chloride Specific Ion Electrode

LC246651	500mL	Poly Bottle	Not Regulated	24	\$43.90
LC246652	1L	Poly Bottle	Not Regulated	24	\$66.50
LC246654	4L	Poly Bottle	Not Regulated	24	\$240.40

Sodium Nitroprusside, Dihydrate, ACS

LC246909	100g	Amber Glass	Not Regulated	N/A	\$58.90
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Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2012 Price
Sodium Nitroprusside, 0.05% w/v, for Nitrogen (Ammonia), Nitrogen (Organic)					
APHA 4500-NH ₃ G, 4500-Norg B					
LC247001	500mL	Amber Glass	Not Regulated	12	\$21.80
LC247002	1L	Amber Glass	Not Regulated	12	\$34.60
Sodium Oxalate, ACS					
LC247101	500g	Poly Bottle	Not Regulated	N/A	\$88.00
Sodium Oxalate, 0.025M (0.05N), for Nitrogen (Nitrite)					
APHA 4500-NO ₂ ⁻ B <i>Traceable to NIST</i>					
LC247201	500mL	Poly Bottle	Not Regulated	24	\$24.20
Sodium Phenate Solution, for Nitrogen (Ammonia), Nitrogen (Organic)					
APHA 4500-NH ₃ G, 4500-Norg B					
LC247701	500mL	Poly Bottle	Not Regulated	24	\$32.40
LC247702	1L	Poly Bottle	Not Regulated	24	\$53.90
Sodium Phosphate, Dibasic, ACS					
LC247741	500g	Poly Bottle	Not Regulated	N/A	\$36.50
Sodium Phosphate, Monobasic					
LC247751	500g	Poly Bottle	Not Regulated	N/A	\$42.20
Sodium Phosphate Solution, Saturated, for Chlorine Dioxide					
APHA 4500-ClO ₂ E					
LC247802	1L	Poly Bottle	Not Regulated	12	\$44.00
Sodium Plumbite – See Doctor's Solution, Page 32.					
Sodium Potassium Tartrate, Tetrahydrate, ACS					
LC247851	500g	Poly Bottle	Not Regulated	N/A	\$82.10
Sodium Potassium Tartrate, 10% w/v, for Nitrogen (Ammonia), Nitrogen (Organic)					
APHA 4500-NH ₃ G, 4500-Norg B				Refrigerated Item	
LC248002	1L	Poly Bottle	Not Regulated	6	\$179.90
Sodium Potassium Tartrate, 30% w/v, for Nitrogen (Ammonia)					
ASTM D1426-08 A				Refrigerated Item	
LC248301	500mL	Poly Bottle	Not Regulated	24	\$36.60
Sodium Potassium Tartrate, 50% w/v, for Nitrogen (Ammonia), Nitrogen (Organic)					
APHA 4500-NH ₃ C (18th Ed.), 4500-Norg B (18th Ed.)				Refrigerated Item	
LC223107	125mL	Poly Bottle	Not Regulated	24	\$13.70
LC223101	500mL	Poly Bottle	Not Regulated	24	\$39.20
LC223102	1L	Poly Bottle	Not Regulated	24	\$73.10



Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2012 Price
Sodium Sulfate, Anhydrous, ACS					
LC248801	500g	Poly Bottle	Not Regulated	N/A	\$33.00
LC248802	1kg	Poly Bottle	Not Regulated	N/A	\$48.10
Sodium Sulfate, Decahydrate, 22.2% w/v					
LC249002	1L	Poly Bottle	Not Regulated	12	\$30.80
Sodium Sulfide, 3% w/v, Solution No. 1 for Zinc					
APHA 3500-Zn E (19th Ed.)					
LC249207	125mL	Poly Bottle	Not Regulated	24	\$17.30
LC249201	500mL	Poly Bottle	Not Regulated	24	\$41.30
LC249202	1L	Poly Bottle	Not Regulated	24	\$60.50
Sodium Sulfite, ACS					
LC249301	500g	Poly Bottle	Not Regulated	N/A	\$19.90
Sodium Sulfite, 2.5% w/v					
TAPPI T624 cm-00					
LC249352	1L	Poly Bottle	Not Regulated	12	\$27.30
Sodium Sulfite, 5% w/v, for Lead					
APHA 3500-Pb B					
LC249401	500mL	Poly Bottle	Not Regulated	24	\$32.20
Sodium Tartrate, Dihydrate, ACS					
LC249451	500g	Poly Bottle	Not Regulated	N/A	\$72.40
Sodium Tartrate, 10% w/w, for Nickel					
APHA 3500-Ni D, E (17th Ed.)					
LC249501	500mL	Poly Bottle	Not Regulated	24	\$46.00
Sodium Thiocyanate, ACS					
LC249601	500g	Poly Bottle	Not Regulated	N/A	\$73.00
Sodium Thiocyanate, 0.1N (0.1M)					
<i>Traceable to NIST</i>					
LC249701	500mL	Poly Bottle	Not Regulated	4	\$22.00
LC249702	1L	Poly Bottle	Not Regulated	4	\$33.00
LC249704	4L	Poly Bottle	Not Regulated	4	\$85.80
Sodium Thiosulfate, Pentahydrate, ACS					
LC249901	500g	Poly Bottle	Not Regulated	N/A	\$26.30



Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2012 Price
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Sodium Thiosulfate Solutions Are Available in Any Size or Concentration. Please Call for a Quote.

Sodium Thiosulfate, 8% w/v

TAPPI T418 cm-97

LC249952	1L	Poly Bottle	Not Regulated	24	\$22.80
LC249954	4L	Poly Bottle	Not Regulated	24	\$45.90

Sodium Thiosulfate, 0.01N (0.01M)

Traceable to NIST

LC250001	500mL	Poly Bottle	Not Regulated	12	\$16.60
LC250002	1L	Poly Bottle	Not Regulated	12	\$24.60
LC250004	4L	Poly Bottle	Not Regulated	12	\$57.30
LC250005	20L	Cubitainer®	Not Regulated	12	\$163.80

Sodium Thiosulfate, 0.025N (0.025M)

Traceable to NIST

LC250201	500mL	Poly Bottle	Not Regulated	12	\$12.60
LC250202	1L	Poly Bottle	Not Regulated	12	\$15.30
LC250204	4L	Poly Bottle	Not Regulated	12	\$42.70
LC250206	10L	Cubitainer®	Not Regulated	12	\$91.50
LC250205	20L	Cubitainer®	Not Regulated	12	\$104.80

Sodium Thiosulfate, 0.0375N (0.0375M)

Traceable to NIST

LC250302	1L	Poly Bottle	Not Regulated	12	\$18.40
LC250304	4L	Poly Bottle	Not Regulated	12	\$45.70

Sodium Thiosulfate, 0.0394N (0.0394M), for Iodine Absorption Number

ASTM D1510

Traceable to NIST

LC250404	4L	Poly Bottle	Not Regulated	12	\$55.50
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Sodium Thiosulfate, 0.05N (0.05M)

Traceable to NIST

LC250502	1L	Poly Bottle	Not Regulated	12	\$18.60
LC250504	4L	Poly Bottle	Not Regulated	12	\$35.20



Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2012 Price
Sodium Thiosulfate, 0.1N (0.1M)					
<i>Traceable to NIST</i>					
LC250601	500mL	Poly Bottle	Not Regulated	24	\$12.40
LC250602	1L	Poly Bottle	Not Regulated	24	\$15.30
LC250604	4L	Poly Bottle	Not Regulated	24	\$34.90
LC250606	10L	Cubitainer®	Not Regulated	24	\$64.90
LC250605	20L	Cubitainer®	Not Regulated	24	\$90.20
Sodium Thiosulfate, 0.2N (0.2M)					
<i>Traceable to NIST</i>					
LC250651	500mL	Poly Bottle	Not Regulated	24	\$13.50
LC250652	1L	Poly Bottle	Not Regulated	24	\$17.90
LC250654	4L	Poly Bottle	Not Regulated	24	\$45.10
LC250655	20L	Cubitainer®	Not Regulated	24	\$112.20
Sodium Thiosulfate, 0.5N (0.5M)					
<i>Traceable to NIST</i>					
LC250802	1L	Poly Bottle	Not Regulated	24	\$28.40
LC250804	4L	Poly Bottle	Not Regulated	24	\$69.90
LC250805	20L	Cubitainer®	Not Regulated	24	\$157.60
Sodium Thiosulfate, 1.0N (1.0M)					
<i>Traceable to NIST</i>					
LC251001	500mL	Poly Bottle	Not Regulated	24	\$17.70
LC251002	1L	Poly Bottle	Not Regulated	24	\$24.60
LC251004	4L	Poly Bottle	Not Regulated	24	\$71.00
LC251005	20L	Cubitainer®	Not Regulated	24	\$162.30
Sodium Thiosulfate, 2.0N (2.0M)					
<i>Traceable to NIST</i>					
LC251501	500mL	Poly Bottle	Not Regulated	24	\$28.20
LC251504	4L	Poly Bottle	Not Regulated	24	\$99.60
Stannous Chloride, Dihydrate, ACS					
LC251701	500g	Poly Bottle	UN3260, 8, P.G.III	N/A	\$110.70
Stannous Chloride, 10% w/v					
LC251801	500mL	Amber Glass	UN1789, 8, P.G.II	24	\$73.10
Stannous Chloride, 40%, for Arsenic					
APHA 3500-As C,D (17th Ed.)					
LC252007	125mL	Amber Glass	UN1789, 8, P.G.II	24	\$35.40
LC252001	500mL	Amber Glass	UN1789, 8, P.G.II	24	\$103.40



Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2012 Price
Stannous Chloride Reagent I, for Phosphorus					
APHA 4500-P D					
LC252301	500mL	Poly Bottle	Not Regulated	24	\$81.90
Stannous Chloride Reagent II, for Phosphorus					
APHA 4500-P D					
LC252401	500mL	Poly Bottle	Not Regulated	24	\$74.50
Starch Indicator, 0.2%, Preserved with Salicylic Acid					
TAPPI T236 om-99					
LC252907	125mL	Poly Bottle	Not Regulated	12	\$12.40
Starch Indicator, 0.5%, Preserved with Chloroform					
LC253051	500mL	Poly Bottle	Not Regulated	12	\$20.10
LC253052	1L	Poly Bottle	Not Regulated	12	\$28.20
LC253054	4L	Poly Bottle	Not Regulated	12	\$46.20
Starch Indicator, 0.5%, Preserved with Salicylic Acid					
LC253001	500mL	Poly Bottle	Not Regulated	12	\$13.90
LC253002	1L	Poly Bottle	Not Regulated	12	\$17.50
LC253004	4L	Poly Bottle	Not Regulated	12	\$44.20
LC253005	20L	Cubitainer®	Not Regulated	12	\$168.70
Starch Indicator, 1%, Preserved with Chloroform					
LC253151	500mL	Poly Bottle	Not Regulated	12	\$21.60
LC253152	1L	Poly Bottle	Not Regulated	12	\$30.20
LC253154	4L	Poly Bottle	Not Regulated	12	\$49.00
Starch Indicator, 1%, Preserved with Salicylic Acid					
LC253101	500mL	Poly Bottle	Not Regulated	12	\$14.10
LC253102	1L	Poly Bottle	Not Regulated	12	\$17.20
LC253104	4L	Poly Bottle	Not Regulated	12	\$39.30
LC253106	10L	Cubitainer®	Not Regulated	12	\$105.80
LC253105	20L	Cubitainer®	Not Regulated	12	\$170.30
Starch-Iodide Solution					
TAPPI T604 om-00					
LC253307	125mL	Poly Bottle	Not Regulated	12	\$21.80
Strong Acid Solution, for Phosphorus					
APHA 4500-P B,D					
LC253701	500mL	Poly Bottle	UN2796, 8, P.G.II	24	\$36.20
Strontium AA Standard, 1000 ppm (1 mL = 1 mg Sr)					
<i>Traceable to NIST</i>					
LC254007	125mL	Poly Bottle	UN3264, 8, P.G.II	24	\$21.10
LC254001	500mL	Poly Bottle	UN3264, 8, P.G.II	24	\$36.80



Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2012 Price
Sulfamic Acid, Reagent					
LC254209	100g	Poly Bottle	UN2967, 8, P.G.III	N/A	\$29.30
LC254201	500g	Poly Bottle	UN2967, 8, P.G.III	N/A	\$84.30
Sulfanilamide					
LC254409	100g	Amber Glass	Not Regulated	N/A	\$17.30
Sulfanilamide, 1% w/v, for Nitrogen (Nitrate/Nitrite)					
APHA 16th Ed.					
LC254501	500mL	Amber Poly	UN1789, 8, P.G.II	24	\$34.30
LC254502	1L	Amber Poly	UN1789, 8, P.G.II	24	\$49.50
Sulfanilamide/N-(Naphthyl) Reagent, for Nitrogen (Nitrate/Nitrite)					
APHA 4500-NO ₂ ⁻ B, 4500-NO ₃ ⁻ E				Refrigerated Item	
LC254601	500mL	Amber Poly	UN1805, 8, P.G.III	3	\$60.00
LC254602	1L	Amber Poly	UN1805, 8, P.G.III	3	\$104.50
Sulfate Standard, 100 ppm (1 mL = 0.1 mg SO₄)					
<i>Traceable to NIST</i>					
LC255001	500mL	Poly Bottle	Not Regulated	12	\$26.40
LC255002	1L	Poly Bottle	Not Regulated	12	\$43.30
Sulfate Standard, 1000 ppm (1 mL = 1 mg SO₄)					
<i>Traceable to NIST</i>					
LC255101	500mL	Poly Bottle	Not Regulated	24	\$31.90
LC255102	1L	Poly Bottle	Not Regulated	24	\$52.30
Sulfosalicylic Acid, Dihydrate, ACS					
LC255201	500g	Amber Glass	Not Regulated	24	\$128.20
Sulfosalicylic Acid, 3% w/v					
<i>Traceable to NIST</i>					
LC255301	500mL	Amber Poly	Not Regulated	24	\$20.00
LC255302	1L	Amber Poly	Not Regulated	24	\$29.40
LC255304	4L	Poly Bottle	Not Regulated	24	\$76.60
Sulfosalicylic Acid, 5% w/v					
<i>Traceable to NIST</i>					
LC255401	500mL	Amber Poly	Not Regulated	24	\$24.20
Sulfosalicylic Acid, 20% w/v					
<i>Traceable to NIST</i>					
LC255451	500mL	Amber Poly	Not Regulated	24	\$51.50



Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2012 Price
Sulfuric Acid, ACS					
LC255501	500mL	Amber Glass	UN1830, 8, P.G.II	N/A	\$33.20
LC255502	1L	Amber Glass	UN1830, 8, P.G.II	N/A	\$52.70
LC255503	2.5L	Clear Glass	UN1830, 8, P.G.II	N/A	\$69.70
LC2555036	6X2.5L	Clear Glass	UN1830, 8, P.G.II	N/A	\$236.50

Sulfuric Acid Solutions Are Available in Any Size or Concentration. Please Call for a Quote.

Sulfuric Acid, 5% v/v (1+19)

APHA 4500-CIO₂ D (20th Ed.), ASTM D512-04 B
Traceable to NIST

LC255701	500mL	Poly Bottle	UN2796, 8, P.G.II	24	\$14.30
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Sulfuric Acid, 10% v/v (1+9)

Traceable to NIST

LC255801	500mL	Poly Bottle	UN2796, 8, P.G.II	24	\$19.30
LC255802	1L	Poly Bottle	UN2796, 8, P.G.II	24	\$23.80
LC255803	2.5L	Clear Glass	UN2796, 8, P.G.II	24	\$45.60

Sulfuric Acid, 10% w/w

Traceable to NIST

LC255902	1L	Poly Bottle	UN2796, 8, P.G.II	24	\$21.00
LC255903	2.5L	Clear Glass	UN2796, 8, P.G.II	24	\$46.60
LC255906	10L	Cubitainer®	UN2796, 8, P.G.II	24	\$72.00
LC255905	20L	Cubitainer®	UN2796, 8, P.G.II	24	\$119.70
LC25590200	200L	Poly Drum	UN2796, 8, P.G.II	24	\$716.50

Sulfuric Acid, 14% v/v, for Phosphorus

APHA 4500-P F
Traceable to NIST

LC256001	500mL	Poly Bottle	UN2796, 8, P.G.II	24	\$20.80
LC256002	1L	Poly Bottle	UN2796, 8, P.G.II	24	\$26.00

Sulfuric Acid, 16.7% v/v (1+5)

TAPPI T618 cm-01
Traceable to NIST

LC256052	1L	Poly Bottle	UN2796, 8, P.G.II	24	\$23.50
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Sulfuric Acid, 20% v/v (1+4)

TAPPI T624 cm-00
Traceable to NIST

LC256072	1L	Poly Bottle	UN2796, 8, P.G.II	24	\$29.20
LC256074	4L	Poly Bottle	UN2796, 8, P.G.II	24	\$62.20



Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2012 Price
Sulfuric Acid, 25% v/v (1+3)					
<i>Traceable to NIST</i>					
LC256102	1L	Poly Bottle	UN2796, 8, P.G.II	24	\$41.30
LC256103	2.5L	Clear Glass	UN2796, 8, P.G.II	24	\$118.80
Sulfuric Acid, 37% v/v (37+63), for Phosphorus					
ASTM D515-82 B					
<i>Traceable to NIST</i>					
LC256201	500mL	Poly Bottle	UN2796, 8, P.G.II	36	\$21.00
Sulfuric Acid, 50% v/v (1+1)					
<i>Traceable to NIST</i>					
LC256401	500mL	Amber Glass	UN1830, 8, P.G.II	24	\$18.40
LC256402	1L	Amber Glass	UN1830, 8, P.G.II	24	\$28.30
LC256403	2.5L	Clear Glass	UN1830, 8, P.G.II	24	\$67.70
LC256405	20L	Poly Drum	UN1830, 8, P.G.II	24	\$279.30
Sulfuric Acid, 72% w/w (24N) (12M)					
TAPPI T222 cm-02, T249 cm-00, T429 cm-01					
<i>Traceable to NIST</i>					
LC256452	1L	Amber Glass	UN1830, 8, P.G.II	24	\$35.20
Sulfuric Acid for Babcock Test, 90.5-93% w/w					
<i>Traceable to NIST</i>					
LC256502	1L	Amber Glass	UN1830, 8, P.G.II	24	\$36.30
LC256503	2.5L	Clear Glass	UN1830, 8, P.G.II	24	\$66.50
Sulfuric Acid, 0.01N (0.005M)					
<i>Traceable to NIST</i>					
LC256551	500mL	Poly Bottle	Not Regulated	24	\$14.10
LC256552	1L	Poly Bottle	Not Regulated	24	\$17.30
LC256554	4L	Poly Bottle	Not Regulated	24	\$37.60
LC256555	20L	Cubitainer®	Not Regulated	24	\$105.40
Sulfuric Acid, 0.02N (0.01M)					
<i>Traceable to NIST</i>					
LC256601	500mL	Poly Bottle	Not Regulated	24	\$13.50
LC256602	1L	Poly Bottle	Not Regulated	24	\$15.70
LC256604	4L	Poly Bottle	Not Regulated	24	\$34.30
LC256606	10L	Cubitainer®	Not Regulated	24	\$65.90
LC256605	20L	Cubitainer®	Not Regulated	24	\$94.60
Sulfuric Acid, 0.04N (0.02M)					
<i>Traceable to NIST</i>					
LC256702	1L	Poly Bottle	Not Regulated	24	\$17.00
LC256704	4L	Poly Bottle	Not Regulated	24	\$38.10



Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2012 Price
Sulfuric Acid, 0.05N (0.025M)					
<i>Traceable to NIST</i>					
LC256752	1L	Poly Bottle	Not Regulated	24	\$17.20
LC256754	4L	Poly Bottle	Not Regulated	24	\$38.10
Sulfuric Acid, 0.1N (0.05M)					
<i>Traceable to NIST</i>					
LC256801	500mL	Poly Bottle	Not Regulated	24	\$13.60
LC256802	1L	Poly Bottle	Not Regulated	24	\$15.60
LC256804	4L	Poly Bottle	Not Regulated	24	\$32.30
LC256806	10L	Cubitainer®	Not Regulated	24	\$65.90
LC256805	20L	Cubitainer®	Not Regulated	24	\$103.80
Sulfuric Acid, 0.125N (0.0625M)					
TAPPI T604 om-00					
<i>Traceable to NIST</i>					
LC256852	1L	Poly Bottle	Not Regulated	24	\$35.20
Sulfuric Acid, 0.2N (0.1M)					
<i>Traceable to NIST</i>					
LC257001	500mL	Poly Bottle	UN2796, 8, P.G.II	24	\$14.60
LC257002	1L	Poly Bottle	UN2796, 8, P.G.II	24	\$16.80
LC257004	4L	Poly Bottle	UN2796, 8, P.G.II	24	\$37.40
LC257005	20L	Cubitainer®	UN2796, 8, P.G.II	24	\$105.20
Sulfuric Acid, 0.25N (0.125M)					
<i>Traceable to NIST</i>					
LC257202	1L	Poly Bottle	UN2796, 8, P.G.II	24	\$17.10
LC257204	4L	Poly Bottle	UN2796, 8, P.G.II	24	\$41.10
LC257205	20L	Cubitainer®	UN2796, 8, P.G.II	24	\$104.50
Sulfuric Acid, 0.255N (0.1275M)					
<i>Traceable to NIST</i>					
LC257304	4L	Poly Bottle	UN2796, 8, P.G.II	24	\$36.20
LC257305	20L	Cubitainer®	UN2796, 8, P.G.II	24	\$98.80
Sulfuric Acid, 0.5N (0.25M)					
<i>Traceable to NIST</i>					
LC257401	500mL	Poly Bottle	UN2796, 8, P.G.II	24	\$13.60
LC257402	1L	Poly Bottle	UN2796, 8, P.G.II	24	\$16.40
LC257404	4L	Poly Bottle	UN2796, 8, P.G.II	24	\$36.40
LC257406	10L	Cubitainer®	UN2796, 8, P.G.II	24	\$73.60
LC257405	20L	Cubitainer®	UN2796, 8, P.G.II	24	\$99.80
LC25740200	200L	Poly Drum	UN2796, 8, P.G.II	24	\$702.00



Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2012 Price
Sulfuric Acid, 1.0N (0.5M)					
<i>Traceable to NIST</i>					
LC257701	500mL	Poly Bottle	UN2796, 8, P.G.II	24	\$10.50
LC257702	1L	Poly Bottle	UN2796, 8, P.G.II	24	\$15.30
LC257704	4L	Poly Bottle	UN2796, 8, P.G.II	24	\$36.40
LC257706	10L	Cubitainer®	UN2796, 8, P.G.II	24	\$67.00
LC257705	20L	Cubitainer®	UN2796, 8, P.G.II	24	\$102.70
Sulfuric Acid, 2.0N (1.0M)					
<i>Traceable to NIST</i>					
LC257901	500mL	Poly Bottle	UN2796, 8, P.G.II	24	\$12.30
LC257902	1L	Poly Bottle	UN2796, 8, P.G.II	24	\$20.00
Sulfuric Acid, 2.5N (1.25M)					
<i>Traceable to NIST</i>					
LC258002	1L	Poly Bottle	UN2796, 8, P.G.II	24	\$25.80
LC258004	4L	Poly Bottle	UN2796, 8, P.G.II	24	\$53.40
Sulfuric Acid, 3.0N (1.5M)					
TAPPI T203 cm-99, T504 cm-97					
<i>Traceable to NIST</i>					
LC258102	1L	Poly Bottle	UN2796, 8, P.G.II	24	\$20.50
LC258104	4L	Poly Bottle	UN2796, 8, P.G.II	24	\$50.90
Sulfuric Acid, 4.0N (2.0M)					
<i>Traceable to NIST</i>					
LC258301	500mL	Poly Bottle	UN2796, 8, P.G.II	24	\$22.40
LC258302	1L	Poly Bottle	UN2796, 8, P.G.II	24	\$34.50
LC258303	2.5L	Clear Glass	UN2796, 8, P.G.II	24	\$54.60
LC258306	10L	Cubitainer®	UN2796, 8, P.G.II	24	\$90.90
LC258305	20L	Cubitainer®	UN2796, 8, P.G.II	24	\$154.60
Sulfuric Acid, 5.0N (2.5M)					
<i>Traceable to NIST</i>					
LC258401	500mL	Poly Bottle	UN2796, 8, P.G.II	24	\$19.00
LC258402	1L	Poly Bottle	UN2796, 8, P.G.II	24	\$28.60
LC258403	2.5L	Clear Glass	UN2796, 8, P.G.II	24	\$41.90
Sulfuric Acid, 6.0N (3.0M)					
<i>Traceable to NIST</i>					
LC258501	500mL	Poly Bottle	UN2796, 8, P.G.II	24	\$22.60
LC258502	1L	Poly Bottle	UN2796, 8, P.G.II	24	\$31.00
LC258503	2.5L	Clear Glass	UN2796, 8, P.G.II	24	\$51.00



Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2012 Price
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Sulfuric Acid, 10.0N (5.0M)

Traceable to NIST

LC258702	1L	Poly Bottle	UN2796, 8, P.G.II	24	\$36.60
LC258703	2.5L	Clear Glass	UN2796, 8, P.G.II	24	\$79.70

Sulfuric Acid, 12.0N (6.0M)

Traceable to NIST

LC258801	500mL	Poly Bottle	UN2796, 8, P.G.II	24	\$31.70
LC258802	1L	Poly Bottle	UN2796, 8, P.G.II	24	\$47.00
LC258803	2.5L	Clear Glass	UN2796, 8, P.G.II	24	\$78.70

Sulfuric Acid, Alcoholic – See Alcoholic Sulfuric Acid, Page 4.

Sulfuric Acid–Silver Sulfate, APHA, ASTM for COD – See Silver Sulfate–Sulfuric Acid, Page 81.

Tartaric Acid, ACS

LC259401	500g	Poly Bottle	Not Regulated	N/A	\$57.50
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Tartaric Acid, 10% w/v

Traceable to NIST

Refrigerated Item

LC259701	500mL	Poly Bottle	Not Regulated	12	\$26.30
LC259702	1L	Poly Bottle	Not Regulated	12	\$40.20

TCLP Extraction Fluid #1

EPA 1311

LC259954	4L	Amber Glass	Not Regulated	24	\$42.60
LC259956	10L	Cubitainer®	Not Regulated	24	\$85.00
LC259955	20L	Cubitainer®	Not Regulated	24	\$128.70

TCLP Extraction Fluid #2

EPA 1311

LC259974	4L	Amber Glass	Not Regulated	24	\$42.60
LC259976	10L	Cubitainer®	Not Regulated	24	\$77.20
LC259975	20L	Cubitainer®	Not Regulated	24	\$122.10

Thioacetamide, ACS

LC260009	100g	Amber Glass	Not Regulated	N/A	\$101.40
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Thioacetamide, 0.25% w/v, for Chlorine, Chlorine Dioxide

APHA 4500–Cl F, G, 4500–ClO₂ D (20th Ed.)

LC260107	125mL	Poly Bottle	Not Regulated	24	\$18.40
LC260101	500mL	Poly Bottle	Not Regulated	24	\$31.10

Thymol Blue, Sodium Salt

LC260157	5g	Amber Glass	Not Regulated	N/A	\$26.40
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Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2012 Price
Thymol Blue, 0.04% Aqueous, pH 1.2 – 2.8 Red to Yellow, pH 8.0 – 9.6 Yellow to Blue					
LC260207	125mL	Poly Bottle	Not Regulated	24	\$10.10
Thymol Blue, 0.08% in Methanol, for Organic Acids					
APHA 5560 B				Refrigerated Item	
LC260501	500mL	Poly Bottle	UN1993, 3, P.G.II	6	\$27.10
Thymol Blue, 0.4% Aqueous, pH 1.2 – 2.8 Red to Yellow, pH 8.0 – 9.6 Yellow to Blue					
LC260407	125mL	Poly Bottle	Not Regulated	24	\$15.70
LC260401	500mL	Poly Bottle	Not Regulated	24	\$36.60
Thymolphthalein					
LC260607	5g	Amber Glass	Not Regulated	N/A	\$22.80
Thymolphthalein, 0.05% in Ethanol, pH 9.3 – 10.5 Colorless to Blue					
LC260707	125mL	Poly Bottle	UN1170, 3, P.G.II	24	\$18.10
LC260701	500mL	Poly Bottle	UN1170, 3, P.G.II	24	\$21.10
Thymolphthalein, 0.1% in Ethanol					
TAPPI T600 cm-01					
LC260757	125mL	Poly Bottle	UN1170, 3, P.G.II	24	\$20.20
Tin AA Standard, 1000 ppm (1 mL = 1 mg Sn)					
<i>Traceable to NIST</i>					
LC261007	125mL	Poly Bottle	UN1789, 8, P.G.II	24	\$22.00
LC261001	500mL	Poly Bottle	UN1789, 8, P.G.II	24	\$41.80
TISAB II, for Fluoride					
APHA 4500-F ⁻ C					
<i>Traceable to NIST</i>					
LC261302	1L	Poly Bottle	Not Regulated	24	\$63.30
LC261304	4L	Poly Bottle	Not Regulated	24	\$106.80
LC261306	10L	Cubitainer®	Not Regulated	24	\$320.60
LC261305	20L	Cubitainer®	Not Regulated	24	\$534.00
Titanium AA Standard, 1000 ppm (1 mL = 1 mg Ti)					
<i>Traceable to NIST</i>					
LC261507	125mL	Poly Bottle	Not Regulated	24	\$17.80
LC261501	500mL	Poly Bottle	Not Regulated	24	\$36.80
Titration (TAN) Solvent					
ASTM D664, D974					
LC261404	4L	Amber Glass	UN1993, 3, P.G.II	24	\$94.00
o-Tolidine, 0.1%					
LC261601	500mL	Poly Bottle	UN1789, 8, P.G.II	24	\$20.00
LC261602	1L	Poly Bottle	UN1789, 8, P.G.II	24	\$28.30



Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2012 Price
Toluene, ACS					
LC261704	4L	Amber Glass	UN1294, 3, P.G.II	N/A	\$45.90
LC2617044	4X4L	Amber Glass	UN1294, 3, P.G.II	N/A	\$154.20
Toluidine Blue, 1% Aqueous					
<i>Traceable to NIST</i>					
LC261651	500mL	Poly Bottle	Not Regulated	24	\$50.80
LC261652	1L	Poly Bottle	Not Regulated	24	\$82.50
LC261654	4L	Poly Bottle	Not Regulated	24	\$296.90
Trichloroacetic Acid, 3% w/v					
<i>Traceable to NIST</i>					
LC262001	500mL	Amber Glass	UN2564, 8, P.G.II	18	\$27.50
Trichloroacetic Acid, 5% w/v					
<i>Traceable to NIST</i>					
LC262201	500mL	Amber Glass	UN2564, 8, P.G.II	18	\$26.80
Trichloroacetic Acid, 10% w/v					
<i>Traceable to NIST</i>					
LC262301	500mL	Amber Glass	UN2564, 8, P.G.II	12	\$30.00
LC262302	1L	Amber Glass	UN2564, 8, P.G.II	12	\$41.10
LC262304	4L	Amber Glass	UN2564, 8, P.G.II	12	\$100.50
Trichloroacetic Acid, 80% w/v					
<i>Traceable to NIST</i>					
LC262651	500mL	Amber Glass	UN2564, 8, P.G.II	12	\$95.40
Triton X-100®, Wetting Agent					
LC262801	500mL	Poly Bottle	Not Regulated	N/A	\$42.60
Turbidity Standard (Formazin), 4000 NTU					
APHA 2130 B					
LC262901	500mL	Poly Bottle	Not Regulated	12	\$46.90
Turbidity Stock Solution I, Hydrazine Sulfate, 1%					
APHA 2130 B					
LC263007	125mL	Poly Bottle	Not Regulated	24	\$24.40
LC263001	500mL	Poly Bottle	Not Regulated	24	\$38.50
Turbidity Stock Solution II, Hexamethylene Tetramine, 10%					
APHA 2130 B					
LC263207	125mL	Poly Bottle	Not Regulated	24	\$24.40
LC263201	500mL	Poly Bottle	Not Regulated	24	\$38.50



Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2012 Price
Universal Indicator, Bogens in Alcohol					
LC265007	125mL	Amber Poly	UN1993, 3, P.G.II	24	\$22.40
LC265001	500mL	Amber Poly	UN1993, 3, P.G.II	24	\$62.60
LC265002	1L	Amber Poly	UN1993, 3, P.G.II	24	\$92.60
Vanadate–Molybdate Reagent, for Phosphorus					
APHA 4500–P C					
LC266002	1L	Poly Bottle	UN1789, 8, P.G.II	24	\$35.10
Vanadium AA Standard, 1000 ppm (1mL = 1mg V)					
LC266407	125mL	Poly Bottle	UN3264, 8, P.G.II	24	\$19.80
LC266401	500mL	Poly Bottle	UN3264, 8, P.G.II	24	\$41.80
Vanadomolybdate Solution, in Dilute Perchloric Acid					
AOAC 7.121, 2.022					
LC266202	1L	Poly Bottle	UN3264, 8, P.G.II	12	\$67.10
LC266204	4L	Poly Bottle	UN3264, 8, P.G.II	12	\$191.40
Victoria Pure Blue B O Dye, 0.03%					
TAPPI T552 om-02					
LC266707	125mL	Poly Bottle	Not Regulated	24	\$27.50
Wash Solution, for Surfactants					
APHA 5540 C					
LC267002	1L	Poly Bottle	Not Regulated	36	\$39.10
Water, Deionized (ASTM Type II)					
LC267502	1L	Poly Bottle	Not Regulated	60	\$15.90
LC267504	4L	Poly Bottle	Not Regulated	60	\$18.60
LC267506	10L	Cubitainer®	Not Regulated	60	\$32.90
LC267505	20L	Cubitainer®	Not Regulated	60	\$42.70
LC26750200	200L	Poly Drum	Not Regulated	60	\$200.00
Water Hardness Buffer					
ASTM D1126–96					
LC268401	500mL	Poly Bottle	Not Regulated	2	\$26.20
LC268402	1L	Poly Bottle	Not Regulated	2	\$34.90
Water Hardness Buffer, Odorless					
APHA 2340 C					
LC268001	500mL	Poly Bottle	Not Regulated	24	\$26.80
LC268002	1L	Poly Bottle	Not Regulated	24	\$35.90
LC268004	4L	Poly Bottle	Not Regulated	24	\$122.90



Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2012 Price
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Water Hardness Buffer (with Magnesium)

APHA 2340 C, ASTM D511-08

LC268101	500mL	Poly Bottle	UN2672, 8, P.G.III	6	\$22.70
LC268102	1L	Poly Bottle	UN2672, 8, P.G.III	6	\$32.70
LC268104	4L	Poly Bottle	UN2672, 8, P.G.III	6	\$96.30

Water Hardness Indicators – See Calmagite, Eriochrome® Black T, Eriochrome® Blue-Black R, Hydroxynaphthol Blue, Murexide.

Xylenes, ACS

LC269704	4L	Amber Glass	UN1307, 3, P.G.III	N/A	\$73.20
LC2697044	4X4L	Amber Glass	UN1307, 3, P.G.III	N/A	\$236.80

Xylenol Orange, Sodium Salt

LC269907	5g	Amber Glass	Not Regulated	N/A	\$116.40
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Xylenol Orange, 0.1% Aqueous

LC270007	125mL	Poly Bottle	Not Regulated	24	\$23.30
LC270001	500mL	Poly Bottle	Not Regulated	24	\$39.90

Xylenol Orange, 0.2% Alcoholic

LC270207	125mL	Poly Bottle	UN1170, 3, P.G.II	24	\$40.60
LC270201	500mL	Poly Bottle	UN1170, 3, P.G.II	24	\$71.40

Zinc AA Standard, 1000 ppm (1 mL = 1 mg Zn)

Traceable to NIST

LC271507	125mL	Poly Bottle	UN3264, 8, P.G.II	36	\$16.90
LC271501	500mL	Poly Bottle	UN3264, 8, P.G.II	36	\$35.50

Zinc Acetate, Dihydrate, ACS

LC270701	500g	Poly Bottle	Not Regulated	N/A	\$42.90
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Zinc Acetate, 10% w/v, for Cyanide

APHA 4500-CN⁻ I

LC270802	1L	Poly Bottle	Not Regulated	24	\$39.50
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Zinc Acetate Solution, 2N, for Sulfide

APHA 4500-S²⁻ C, E

Traceable to NIST

LC271007	125mL	Poly Bottle	Not Regulated	24	\$12.60
LC271001	500mL	Poly Bottle	Not Regulated	24	\$25.10

Zinc, Granular, 20 Mesh, ACS

LC270607	100g	Poly Bottle	Not Regulated	N/A	\$39.40
LC270601	500g	Poly Bottle	Not Regulated	N/A	\$84.00



Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2012 Price
Zinc Sulfate, Heptahydrate, ACS					
LC272201	500g	Poly Bottle	Not Regulated	N/A	\$36.70
Zinc Sulfate, 10% w/v, for Nitrogen (Ammonia), Nitrogen (Organic)					
APHA 4500-NH ₃ C (18th Ed.), 4500-Norg B (18th Ed.), ASTM D1426-08 A					
LC272302	1L	Poly Bottle	Not Regulated	24	\$46.20
Zinc Sulfate, 1.0M (2.0N)					
TAPPI T624-cm-00 <i>Traceable to NIST</i>					
LC272401	500mL	Poly Bottle	Not Regulated	24	\$39.30
Zinc Sulfate, 1.180 Specific Gravity					
LC272701	500mL	Poly Bottle	Not Regulated	24	\$19.70
LC272702	1L	Poly Bottle	Not Regulated	24	\$26.60
LC272704	4L	Poly Bottle	Not Regulated	24	\$82.30
Zobell's Solution (ORP Standard, 220 mV)					
				Refrigerated Item	
LC273101	500mL	Amber Poly	Not Regulated	12	\$40.60
Other ORP Standards Are Available – See Page 59.					