

LabChem



performance through

chemistry



Welcome to the **2018 LabChem Product Catalog**.

Over the years, **Performance Through Chemistry** has become much more than a slogan for LabChem. It has defined our commitment to provide value to our customers. When you purchase LabChem reagents, you can expect:

Our Quality Guarantee – All LabChem facilities are ISO 9001:2015 certified. Our chemists utilize the highest quality raw materials appropriate to your product. Most raw materials meet or exceed the specifications established by the American Chemical Society. When appropriate, finished products are traceable to NIST Standard Reference Materials. Certificates of Analysis and Safety Data Sheets (SDS) are available at LabChem.com.

Ease of Ordering – Order 24/7 at LabChem.com.

Additionally, our customer service representatives are ready to take your phone or email orders.

Delivery You Can Count On – With most orders shipping the same day they are received, our products are there when you need them the most.

Flexibility – Can't find the formulation, size, or packaging configuration that you need? We take pride in meeting our customers' requirements. Please contact us for a quote on your special item.

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LabChem.com

The LabChem website brings features to our customers that make searching for LabChem products and offerings a breeze!

Our website provides:

- Easier navigation and account control
- Detailed product information and search ability
- Full shopping cart functionality

Do you have questions and need quick answers?

Our Documents & Reports section includes easy access to all technical documents such as:

- Certificates of Analysis
- SDS
- ISO 9001:2015 Certificate
- Label Information
- Technical Information

Are you interested in alternative ways to access LabChem quality products?

Check out our Distributors Map. You will find the best in laboratory distribution companies in North America organized by your geographical preference.

With manufacturing, quality control testing, and packaging all performed in LabChem's own facilities, and with ISO 9001 certification since 1994, LabChem keeps its commitment to provide superior laboratory solutions to our customers.

Come check out our website at www.LabChem.com to learn more about everything LabChem has to offer!

www.LabChem.com | info@LabChem.com | Call us at 412.826.5230

Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2021 Price
Acetate Buffer pH 6.0, for Aluminum					
APHA 3500–Al B <i>Traceable to NIST</i>					
LC100701	500mL	Poly Bottle	Not Regulated	24	\$47.70
Acetate Buffer pH 5.5, for Arsenic					
APHA 3500–As B <i>Traceable to NIST</i>					
LC100052	1L	Poly Bottle	Not Regulated	24	\$50.40
Acetate Buffer pH 4.6 – 4.7, for Bromide					
APHA 4500–Br ⁻ B <i>Traceable to NIST</i>					
LC100102	1L	Poly Bottle	Not Regulated	36	\$52.70
Acetate Buffer pH 4.0 for Chlorine, Iodine					
APHA 4500–Cl C,D, 4500–ClO ₂ C, 4500–I C, ASTM D1253–08 <i>Traceable to NIST</i>					
LC100301	500mL	Poly Bottle	Not Regulated	24	\$36.40
LC100302	1L	Poly Bottle	Not Regulated	24	\$49.70
LC100304	4L	Poly Bottle	Not Regulated	24	\$131.20
LC100306	10L	Cubitainer®	Not Regulated	24	\$313.50
LC100305	20L	Cubitainer®	Not Regulated	24	\$422.00
Acetate Buffer pH 4.5, for Cyanide					
APHA 4500–CN ⁻ E,I <i>Traceable to NIST</i>					
LC100401	500mL	Poly Bottle	Not Regulated	24	\$36.70
Acetate Buffer, APHA, for Iron – See Ammonium Acetate Buffer, Page 8.					
Acetic Acid, Glacial, ACS					
LC101001	500mL	Amber Glass	UN2789, 8(3), PG II	N/A	\$48.30
LC101002	1L	Amber Glass	UN2789, 8(3), PG II	N/A	\$68.40
LC101003	2.5L	Clear Glass	UN2789, 8(3), PG II	N/A	\$91.80
LC101003S	2.5L	PVC Coated	UN2789, 8(3), PG II	N/A	\$101.40
LC1010036	6X2.5L	Clear Glass	UN2789, 8(3), PG II	N/A	\$309.50
LC1010036S	6X2.5L	PVC Coated	UN2789, 8(3), PG II	N/A	\$394.00
Looking for Safety Data Sheets (SDS) or Certificates of Analysis (CofA)? Please visit LabChem.com.					

Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2021 Price
Acetic Acid Solutions Are Available in Any Size or Concentration.					
Please Call or Email info@LabChem.com for a Custom Quotation.					
Acetic Acid, 1% v/v (1+99)					
<i>Traceable to NIST</i>					
LC101201	500mL	Poly Bottle	Not Regulated	24	\$25.20
LC101204	4L	Poly Bottle	Not Regulated	24	\$95.50
Acetic Acid, 2% v/v (1+49)					
<i>Traceable to NIST</i>					
LC101501	500mL	Poly Bottle	Not Regulated	24	\$28.50
LC101502	1L	Poly Bottle	Not Regulated	24	\$43.00
Acetic Acid, 3% v/v (3+97)					
<i>Traceable to NIST</i>					
LC101601	500mL	Poly Bottle	Not Regulated	24	\$17.10
LC101604	4L	Poly Bottle	Not Regulated	24	\$72.00
Acetic Acid, 5% v/v (1+19)					
<i>Traceable to NIST</i>					
LC101801	500mL	Poly Bottle	Not Regulated	24	\$23.70
LC101802	1L	Poly Bottle	Not Regulated	24	\$30.60
LC101804	4L	Poly Bottle	Not Regulated	24	\$63.60
LC101805	20L	Cubitainer®	Not Regulated	24	\$222.80
Acetic Acid, 10% v/v (1+9)					
<i>Traceable to NIST</i>					
LC101901	500mL	Poly Bottle	UN2790, 8, PG III	24	\$25.30
LC101902	1L	Poly Bottle	UN2790, 8, PG III	24	\$33.40
LC101904	4L	Poly Bottle	UN2790, 8, PG III	24	\$69.50
Acetic Acid, 11.1% v/v (1+8)					
<i>Traceable to NIST</i>					
LC102802	1L	Poly Bottle	UN2790, 8, PG III	24	\$61.10
Acetic Acid, 20% v/v (1+4)					
<i>Traceable to NIST</i>					
LC102101	500mL	Poly Bottle	UN2790, 8, PG III	24	\$26.80
LC102102	1L	Poly Bottle	UN2790, 8, PG III	24	\$37.80
LC102104	4L	Poly Bottle	UN2790, 8, PG III	24	\$74.50
LC102105	20L	Cubitainer®	UN2790, 8, PG III	24	\$248.40

Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2021 Price
Acetic Acid, 25% v/v (1+3)					
<i>Traceable to NIST</i>					
LC102402	1L	Poly Bottle	UN2790, 8, PG III	24	\$68.60
LC102404	4L	Poly Bottle	UN2790, 8, PG III	24	\$116.30
Acetic Acid, 30% v/v (3+7)					
<i>Traceable to NIST</i>					
LC102602	1L	Poly Bottle	UN2790, 8, PG III	24	\$32.90
LC102604	4L	Poly Bottle	UN2790, 8, PG III	24	\$78.10
LC102605	20L	Cubitainer®	UN2790, 8, PG III	24	\$310.90
Acetic Acid, 50% v/v (1+1)					
<i>Traceable to NIST</i>					
LC102901	500mL	Poly Bottle	UN2790, 8, PG II	24	\$52.10
LC102902	1L	Poly Bottle	UN2790, 8, PG II	24	\$71.40
LC102904	4L	Poly Bottle	UN2790, 8, PG II	24	\$131.00
Acetic Acid, 56% w/w					
<i>Traceable to NIST</i>					
LC103101	500mL	Poly Bottle	UN2790, 8, PG II	24	\$54.30
LC103102	1L	Poly Bottle	UN2790, 8, PG II	24	\$76.00
LC103104	4L	Poly Bottle	UN2790, 8, PG II	24	\$142.50
Acetic Acid, 0.1N (0.1M)					
<i>Traceable to NIST</i>					
LC103501	500mL	Poly Bottle	Not Regulated	24	\$23.90
LC103502	1L	Poly Bottle	Not Regulated	24	\$31.20
LC103504	4L	Poly Bottle	Not Regulated	24	\$59.90
Acetic Acid, 0.2N (0.2M)					
<i>Traceable to NIST</i>					
LC103602	1L	Poly Bottle	Not Regulated	24	\$32.00
LC103604	4L	Poly Bottle	Not Regulated	24	\$61.10
Acetic Acid, 1.0N (1.0M)					
<i>Traceable to NIST</i>					
LC103801	500mL	Poly Bottle	Not Regulated	24	\$22.60
LC103802	1L	Poly Bottle	Not Regulated	24	\$34.20
LC103804	4L	Poly Bottle	Not Regulated	24	\$66.90
LC103805	20L	Cubitainer®	Not Regulated	24	\$195.80
Acetic Acid, 2.0N (2.0M)					
<i>Traceable to NIST</i>					
LC103902	1L	Poly Bottle	UN2790, 8, PG III	24	\$34.00
LC103904	4L	Poly Bottle	UN2790, 8, PG III	24	\$73.40

Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2021 Price
Acetic Acid, 6.0N (6.0M)					
<i>Traceable to NIST</i>					
LC104002	1L	Poly Bottle	UN2790, 8, PG III	24	\$38.60
LC104004	4L	Poly Bottle	UN2790, 8, PG III	24	\$73.40
Acetone, ACS					
LC104201	500mL	Amber Glass	UN1090, 3, PG II	N/A	\$30.20
LC104202	1L	Amber Glass	UN1090, 3, PG II	N/A	\$42.30
LC104204	4L	Amber Glass	UN1090, 3, PG II	N/A	\$102.20
LC1042044	4X4L	Amber Glass	UN1090, 3, PG II	N/A	\$375.30
Acetone, HPLC					
LC104251	500mL	Amber Glass	UN1090, 3, PG II	N/A	\$61.10
LC104252	1L	Amber Glass	UN1090, 3, PG II	N/A	\$87.10
LC104254	4L	Amber Glass	UN1090, 3, PG II	N/A	\$192.90
Acetone-Alcohol, 1:1, Decolorizer					
LC104401	500mL	Poly Bottle	UN1993, 3, PG II	24	\$29.50
LC104402	1L	Poly Bottle	UN1993, 3, PG II	24	\$43.50
LC104404	4L	Poly Bottle	UN1993, 3, PG II	24	\$106.70
LC104405	20L	Cubitainer®	UN1993, 3, PG II	24	\$423.40
Acetonitrile, HPLC					
LC104602	1L	Amber Glass	UN1648, 3, PG II	N/A	\$212.90
LC104604	4L	Amber Glass	UN1648, 3, PG II	N/A	\$587.40
Acid-Alcohol, 3% v/v in 70% Alcohol					
<i>Traceable to NIST</i>					
LC105001	500mL	Poly Bottle	UN2924, 3(8), PG II	24	\$33.30
LC105004	4L	Poly Bottle	UN2924, 3(8), PG II	24	\$116.20
Acid-Alcohol, 5% v/v in 95% Alcohol					
<i>Traceable to NIST</i>					
LC105202	1L	Poly Bottle	UN2924, 3(8), PG II	12	\$42.60
LC105204	4L	Poly Bottle	UN2924, 3(8), PG II	12	\$109.90
Acid Digestion Reagent (with Mercury), for Organic Nitrogen					
APHA 4500-Norg B (18th Ed.), ASTM D3590-02					
LC105502	1L	Poly Bottle	UN2796, 8, PG II	24	\$92.20
LC105504	4L	Poly Bottle	UN2796, 8, PG II	24	\$207.80
Acid Digestion Reagent, for Organic Nitrogen					
APHA 4500-Norg B					
LC105602	1L	Poly Bottle	UN2796, 8, PG II	12	\$72.00
LC105604	4L	Poly Bottle	UN2796, 8, PG II	12	\$167.00

Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2021 Price
Alcohol–Glycerin, 50–50 (Reagent Alcohol and Glycerin)					
TAPPI T263 sp-02					
LC105657	125mL	Poly Bottle	UN1987, 3, PG III	24	\$26.90
Alcohol – See Reagent Alcohol, Page 78.					
Alcoholic Sulfuric Acid for Phosphorus					
APHA 4500–P D					
LC105702	1L	Poly Bottle	UN2924, 3(8), PG II	24	\$66.70
Alizarin Red S					
LC105908	25g	Amber Glass	Not Regulated	N/A	\$61.50
Alizarin Red S, 1% Aqueous					
LC106007	125mL	Poly Bottle	Not Regulated	24	\$16.10
LC106001	500mL	Poly Bottle	Not Regulated	24	\$30.60
LC106002	1L	Poly Bottle	Not Regulated	24	\$48.80
Alkaline Iodide Azide Solution I, for Dissolved Oxygen (Saturated and Less than Saturated Samples)					
APHA 4500–O C,D,E,F, ASTM D888–09 A					
LC106701	500mL	Amber Poly	UN1824, 8, PG II	36	\$55.10
LC106702	1L	Amber Poly	UN1824, 8, PG II	36	\$99.40
LC106704	4L	Amber Poly	UN1824, 8, PG II	36	\$321.40
Alkaline Iodide Azide Solution II, for Dissolved Oxygen (Concentrations Greater than 15mg/L)					
APHA 4500–O C,D,E,F, ASTM D888–09 A					
LC106902	1L	Amber Poly	UN1824, 8, PG II	36	\$389.00
Alkaline Iodide Solution, for Dissolved Oxygen					
ASTM D888–09 A					
LC106401	500mL	Amber Poly	UN1824, 8, PG II	24	\$52.30
LC106402	1L	Amber Poly	UN1824, 8, PG II	24	\$79.60
LC106404	4L	Amber Poly	UN1824, 8, PG II	24	\$210.60
Alum Solution, 10% w/v, for Dissolved Oxygen					
APHA 4500–O E					
LC107401	500mL	Poly Bottle	Not Regulated	24	\$52.80
LC107402	1L	Poly Bottle	Not Regulated	24	\$77.70
Aluminum AA Standard, 1000ppm (1 mL = 1 mg Al)					
<i>Traceable to NIST</i>					
LC107507	125mL	Poly Bottle	UN1789, 8, PG II	24	\$29.90
LC107501	500mL	Poly Bottle	UN1789, 8, PG II	24	\$60.50

Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2021 Price
Aluminum Chloride, Hexahydrate					
LC108101	500g	Poly Bottle	UN1726, 8, PG II	N/A	\$69.10
Aluminum Chloride Solution, 6N, for Sulfide					
APHA 4500-S ²⁻ B					
LC108207	125mL	Poly Bottle	UN2581, 8, PG III	24	\$58.90
LC108201	500mL	Poly Bottle	UN2581, 8, PG III	24	\$179.30
Aluminum Hydroxide Suspension, for Chloride					
APHA 4500-Cl ⁻ B					
LC108401	500mL	Poly Bottle	Not Regulated	24	\$83.10
Amine-Sulfuric Acid Reagent, for Sulfide					
APHA 4500-S ²⁻ D					
LC108801	500mL	Amber Glass	UN1830, 8, PG II	12	\$65.90
LC108802	1L	Amber Glass	UN1830, 8, PG II	12	\$117.30
1-Amino-2-Naphthol-4-Sulfonic Acid					
				Refrigerated Item	
LC108508	25g	Poly Bottle	Not Regulated	N/A	\$75.30
1-Amino-2-Naphthol-4-Sulfonic Acid Solution, for Phosphorus					
ASTM D515-82 B					
LC108607	125mL	White Poly	Not Regulated	2	\$23.80
LC108601	500mL	Amber Poly	Not Regulated	2	\$41.20
1-Amino-2-Naphthol-4-Sulfonic Acid Solution, for Silica					
APHA 4500-SiO ₂ D, ASTM D859-10					
LC108907	125mL	White Poly	Not Regulated	4	\$21.20
LC108901	500mL	Amber Poly	Not Regulated	4	\$36.00
Ammonia Standard, 1000ppm (1mL = 1mg NH₃)					
<i>Traceable to NIST</i>					
LC109001	500mL	Poly Bottle	Not Regulated	24	\$42.50
Ammonia (as Nitrogen) Standard, 1000 ppm, (1mL = 1mg N, 1mL = 1.22mg NH₃)					
<i>Traceable to NIST</i>					
LC179407	125mL	Poly Bottle	Not Regulated	24	\$20.20
LC179401	500mL	Poly Bottle	Not Regulated	24	\$35.60
LC179402	1L	Poly Bottle	Not Regulated	24	\$45.70
Ammonium Acetate, ACS					
LC109601	500g	Poly Bottle	Not Regulated	N/A	\$69.70
Ammonium Acetate, 20% w/v					
TAPPI T618 cm-01					
LC109652	1L	Poly Bottle	Not Regulated	12	\$53.80

Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2021 Price
Ammonium Acetate Buffer, for Iron					
APHA 3500-Fe B					
LC109701	500mL	Poly Bottle	UN2790, 8, PG II	24	\$37.60
LC109702	1L	Poly Bottle	UN2790, 8, PG II	24	\$60.70
LC109704	4L	Poly Bottle	UN2790, 8, PG II	24	\$176.30
Ammonium Acetate Buffer, for Iron					
ASTM D1068-96, TAPPI T613 cm-01					
LC109851	500mL	Poly Bottle	Not Regulated	24	\$39.20
LC109852	1L	Poly Bottle	Not Regulated	24	\$62.60
Ammonium Buffer					
TAPPI T665 cm-02					
LC109712	1L	Poly Bottle	UN2672, 8, PG III	12	\$58.10
Ammonium Chloride, ACS					
LC109721	500g	Poly Bottle	Not Regulated	N/A	\$32.90
Ammonium Chloride-Ammonium Hydroxide Buffer – See Water Hardness Buffer, Page 108.					
Ammonium Chloride, 1.15g/L, for BOD					
LC109801	500mL	Poly Bottle	Not Regulated	24	\$30.90
Ammonium Chloride, 85g/L, for Nitrogen (Nitrate)					
APHA 4500-NO ₃ ⁻ F, ASTM D3867-09 A,B					
LC109901	500mL	Poly Bottle	Not Regulated	12	\$41.60
LC109902	1L	Poly Bottle	Not Regulated	12	\$65.50
Ammonium Chloride, 5% w/v					
LC110002	1L	Poly Bottle	Not Regulated	24	\$57.70
Ammonium Chloride, 10% w/v					
<i>Traceable to NIST</i>					
LC110102	1L	Poly Bottle	Not Regulated	24	\$46.50
Ammonium Chloride, 0.1M (0.1N)					
<i>Traceable to NIST</i>					
LC109751	500mL	Poly Bottle	Not Regulated	24	\$36.60
Ammonium Chloride-EDTA Solution, for Nitrogen (Nitrate)					
APHA 4500-NO ₃ ⁻ E					
LC110202	1L	Poly Bottle	Not Regulated	24	\$81.00
LC110204	4L	Poly Bottle	Not Regulated	24	\$147.20
LC110206	10L	Cubitainer®	Not Regulated	24	\$323.90

Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2021 Price
Ammonium Hydroxide, ACS					
LC110501	500mL	Amber Glass	UN2672, 8, PG III	N/A	\$39.00
LC110503	2.5L	Clear Glass	UN2672, 8, PG III	N/A	\$63.80
LC110503S	2.5L	PVC Coated	UN2672, 8, PG III	N/A	\$74.30
LC1105036	6X2.5L	Clear Glass	UN2672, 8, PG III	N/A	\$218.30
LC1105036S	6X2.5L	PVC Coated	UN2672, 8, PG III	N/A	\$279.00

Ammonium Hydroxide Solutions Are Available in Any Size or Concentration. Please Call or Email info@LabChem.com for a Custom Quotation.

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	\$33.20
LC111904	4L	Poly Bottle	Not Regulated	24	\$101.10
LC111905	20L	Cubitainer®	Not Regulated	24	\$223.40

Ammonium Hydroxide, 10% v/v (1+9)

APHA 3500-Pb B

Traceable to NIST

LC111801	500mL	Poly Bottle	Not Regulated	24	\$36.00
LC111802	1L	Poly Bottle	Not Regulated	24	\$45.20

Ammonium Hydroxide, 16.7% v/v (1+5)

Traceable to NIST

LC111701	500mL	Poly Bottle	Not Regulated	24	\$34.90
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Ammonium Hydroxide, 20% v/v (1+4), for Hardness

ASTM D1126-02 (2007)

Traceable to NIST

LC111601	500mL	Poly Bottle	Not Regulated	24	\$36.00
LC111602	1L	Poly Bottle	Not Regulated	24	\$56.30
LC111604	4L	Poly Bottle	Not Regulated	24	\$115.10
LC111606	10L	Cubitainer®	Not Regulated	24	\$207.00

Ammonium Hydroxide, 25% v/v (1+3)

TAPPI T618 cm-01

Traceable to NIST

LC111652	1L	Poly Bottle	Not Regulated	24	\$57.80
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Ammonium Hydroxide, 50% v/v (1+1)

Traceable to NIST

LC111401	500mL	Poly Bottle	UN2672, 8, PG III	24	\$39.20
LC111402	1L	Poly Bottle	UN2672, 8, PG III	24	\$64.20
LC111404	4L	Poly Bottle	UN2672, 8, PG III	24	\$120.00

Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2021 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	\$33.70
LC110704	4L	Poly Bottle	Not Regulated	24	\$118.90
Ammonium Hydroxide, 1.0N (1.0M)					
<i>Traceable to NIST</i>					
LC110801	500mL	Poly Bottle	Not Regulated	24	\$36.60
LC110802	1L	Poly Bottle	Not Regulated	24	\$49.70
LC110804	4L	Poly Bottle	Not Regulated	24	\$115.40
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	\$52.90
LC111102	1L	Poly Bottle	Not Regulated	24	\$67.10
LC111104	4L	Poly Bottle	Not Regulated	24	\$130.70
Ammonium Hydroxide, 6.0N (6.0M)					
<i>Traceable to NIST</i>					
LC111201	500mL	Poly Bottle	UN2672, 8, PG III	24	\$47.60
LC111202	1L	Poly Bottle	UN2672, 8, PG III	24	\$69.60
Ammonium Molybdate, Tetrahydrate, ACS					
LC111951	500g	Poly Bottle	Not Regulated	N/A	\$115.10
Ammonium Molybdate, 1% w/v in 0.1N Sulfuric Acid					
LC112052	1L	Poly Bottle	Not Regulated	12	\$52.70
Ammonium Molybdate, 4% w/v, for Phosphorus					
APHA 4500-P E,F					
LC112101	500mL	Poly Bottle	Not Regulated	6	\$53.20
Ammonium Molybdate, 4.8% w/v, for Phosphorus					
ASTM D515-82 B					
LC112151	500mL	Poly Bottle	Not Regulated	4	\$52.60
Ammonium Molybdate, 7.5% w/v, for Silica					
ASTM D859-05					
LC112201	500mL	Poly Bottle	Not Regulated	2	\$50.20
Ammonium Molybdate, 10% w/v, for Silica					
APHA 4500-SiO ₂ C,D					
LC112501	500mL	Poly Bottle	Not Regulated	12	\$59.00
LC112502	1L	Poly Bottle	Not Regulated	12	\$88.00
LC112504	4L	Poly Bottle	Not Regulated	12	\$259.70

Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2021 Price
Ammonium Molybdate Reagent I, for Phosphorus					
APHA 4500-P D					
LC112301	500mL	Poly Bottle	UN2796, 8, PG II	12	\$55.00
LC112302	1L	Poly Bottle	UN2796, 8, PG II	12	\$76.00
Ammonium Molybdate Reagent II, for Phosphorus					
APHA 4500-P D					
LC112401	500mL	Poly Bottle	UN2796, 8, PG II	12	\$68.60
LC112402	1L	Poly Bottle	UN2796, 8, PG II	12	\$94.90
Ammonium Oxalate, Monohydrate, ACS					
LC112701	500g	Poly Bottle	Not Regulated	N/A	\$112.60
Ammonium Oxalate, 3.5% w/v					
TAPPI T421 om-97					
LC112752	1L	Poly Bottle	Not Regulated	24	\$64.10
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	\$35.40
LC112802	1L	Poly Bottle	Not Regulated	24	\$58.60
LC112804	4L	Poly Bottle	Not Regulated	24	\$148.60
Ammonium Oxalate, Saturated Solution					
TAPPI T618 cm-01					
LC112822	1L	Poly Bottle	Not Regulated	24	\$79.10
Ammonium Phosphate, Dibasic, ACS					
LC112851	500g	Poly Bottle	Not Regulated	N/A	\$68.60
Ammonium Phosphate, 40%, for Sulfide					
APHA 4500-S ²⁻ D					
LC112957	125mL	Poly Bottle	Not Regulated	24	\$48.80
LC112951	500mL	Poly Bottle	Not Regulated	24	\$172.30
Ammonium Purpurate – See Murexide Indicator, Page 57–58.					
Ammonium Sulfate, ACS					
LC112981	500g	Poly Bottle	Not Regulated	N/A	\$34.20
Ammonium Sulfate, 10% w/v, for Radium					
APHA 7500-Ra C					
<i>Traceable to NIST</i>					
LC113001	500mL	Poly Bottle	Not Regulated	24	\$55.30

Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2021 Price
Ammonium Thiocyanate, ACS					
LC113401	500g	Poly Bottle	Not Regulated	N/A	\$101.20
Ammonium Thiocyanate, 30% w/v					
<i>Traceable to NIST</i>					
LC113451	500mL	Poly Bottle	Not Regulated	24	\$86.20
Ammonium Thiocyanate, 0.025N (0.025M)					
<i>Traceable to NIST</i>					
LC113501	500mL	Poly Bottle	Not Regulated	24	\$57.30
Ammonium Thiocyanate, 0.1N (0.1M)					
<i>Traceable to NIST</i>					
LC113702	1L	Poly Bottle	Not Regulated	24	\$35.90
LC113704	4L	Poly Bottle	Not Regulated	24	\$92.30
Antimony AA Standard, 1000ppm (1mL = 1mg Sb)					
<i>Traceable to NIST</i>					
LC114207	125mL	Poly Bottle	UN3264, 8, PG II	24	\$24.80
LC114201	500mL	Poly Bottle	UN3264, 8, PG II	24	\$53.70
Arsenazo III Indicator					
TAPPI T255 cm-97					
LC114707	125mL	Poly Bottle	Not Regulated	12	\$29.50
Arsenic AA Standard, 1000ppm (1mL = 1mg As)					
<i>Traceable to NIST</i>					
LC115007	125mL	Poly Bottle	UN2031, 8, PG II	24	\$28.20
LC115001	500mL	Poly Bottle	UN2031, 8, PG II	24	\$60.10
Arsenic Trioxide, Reagent					
LC115059	100g	Amber Glass	UN1561, 6.1, PG II	N/A	\$115.90
Arsenious Acid, 0.1N (0.05M), APHA, for Chlorine – See Sodium Arsenite, Page 83.					
Arsenious Acid Solution, For Iodide					
APHA 4500-I ⁻ C					
LC115201	500mL	Poly Bottle	Not Regulated	24	\$39.20
Ascorbic Acid					
LC115309	100g	Amber Glass	Not Regulated	N/A	\$37.60
Barium AA Standard, 1000ppm (1mL = 1mg Ba)					
<i>Traceable to NIST</i>					
LC115507	125mL	Poly Bottle	Not Regulated	36	\$26.10
LC115501	500mL	Poly Bottle	Not Regulated	36	\$53.80

Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2021 Price
Barium Chloride, ACS					
LC115609	100g	Poly Bottle	UN1564, 6.1, PG III	N/A	\$38.40
LC115601	500g	Poly Bottle	UN1564, 6.1, PG III	N/A	\$63.70
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	\$26.90
LC116002	1L	Poly Bottle	Not Regulated	24	\$40.60
LC116004	4L	Poly Bottle	Not Regulated	24	\$114.40
LC116005	20L	Cubitainer®	Not Regulated	24	\$462.50
Barium Chloride, 12% w/v					
TAPPI T613 cm-00					
<i>Traceable to NIST</i>					
LC116022	1L	Poly Bottle	Not Regulated	24	\$56.10
Barium Chloride, 20% w/v					
<i>Traceable to NIST</i>					
LC116051	500mL	Poly Bottle	Not Regulated	24	\$28.60
LC116052	1L	Poly Bottle	Not Regulated	24	\$54.90
LC116054	4L	Poly Bottle	Not Regulated	24	\$128.50
Barium Chloride, 0.1N (0.05M)					
<i>Traceable to NIST</i>					
LC116202	1L	Poly Bottle	Not Regulated	24	\$60.00
LC116204	4L	Poly Bottle	Not Regulated	24	\$115.60
Barium Diphenylamine Sulfonate					
LC116258	25g	Amber Glass	Not Regulated	N/A	\$281.40
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	\$30.80
Barium Hydroxide, Saturated Solution					
TAPPI T249 cm-00					
LC116402	1L	Poly Bottle	UN3266, 8, PG III	12	\$110.60
Barium Perchlorate, 0.01N (0.005M)					
TAPPI T255 cm-97					
<i>Traceable to NIST</i>					
LC116452	1L	Amber Glass	Not Regulated	24	\$41.60

Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2021 Price
Benedict Qualitative Solution					
LC116501	500mL	Poly Bottle	Not Regulated	24	\$24.70
LC116502	1L	Poly Bottle	Not Regulated	24	\$40.40
LC116504	4L	Poly Bottle	Not Regulated	24	\$97.50
Benedict Quantitative Solution					
LC116601	500mL	Poly Bottle	Not Regulated	24	\$51.30
LC116602	1L	Poly Bottle	Not Regulated	24	\$96.70
Bismuth AA Standard, 1000ppm (1 mL = 1 mg Bi)					
<i>Traceable to NIST</i>					
LC116707	125mL	Poly Bottle	UN2031, 8, PG II	24	\$28.90
LC116701	500mL	Poly Bottle	UN2031, 8, PG II	24	\$60.10
Biuret Reagent, for Serum Protein					
LC116901	500mL	Poly Bottle	Not Regulated	12	\$38.40
LC116902	1L	Poly Bottle	Not Regulated	12	\$50.10
LC116904	4L	Poly Bottle	Not Regulated	12	\$104.10
Bleach – See Sodium Hypochlorite, Page 93–94.					
BOD Testing Reagents – See Page 112 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	\$34.10
LC117002	1L	Poly Bottle	Not Regulated	24	\$45.40
LC117004	4L	Poly Bottle	Not Regulated	24	\$93.40
Borax, 1% w/v, for Silica					
APHA 4500–SiO ₂ C,D					
LC117101	500mL	Poly Bottle	Not Regulated	24	\$36.90
Boric Acid, ACS					
LC117151	500g	Poly Bottle	Not Regulated	N/A	\$40.40
Boric Acid, 2% w/v					
<i>Traceable to NIST</i>					
LC117202	1L	Poly Bottle	Not Regulated	24	\$40.60
LC117204	4L	Poly Bottle	Not Regulated	24	\$81.30

Looking for Safety Data Sheets (SDS) or Certificates of Analysis (CofA)? Please visit LabChem.com.

Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2021 Price
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	\$46.50
LC117702	1L	Poly Bottle	Not Regulated	1	\$66.80
LC117704	4L	Poly Bottle	Not Regulated	1	\$120.10
Boric Acid, 4% w/v					
<i>Traceable to NIST</i>					
LC117401	500mL	Poly Bottle	Not Regulated	24	\$26.60
LC117402	1L	Poly Bottle	Not Regulated	24	\$36.00
LC117404	4L	Poly Bottle	Not Regulated	24	\$57.40
Boric Acid, 4% w/v with Indicator (Bromocresol Green–Methyl Red)					
<i>Traceable to NIST</i>					
LC117502	1L	Poly Bottle	Not Regulated	24	\$40.10
LC117504	4L	Poly Bottle	Not Regulated	24	\$69.20
LC117506	10L	Cubitainer®	Not Regulated	24	\$110.20
LC117505	20L	Cubitainer®	Not Regulated	24	\$143.80
Boron AA Standard, 1000ppm (1 mL = 1 mg B)					
<i>Traceable to NIST</i>					
LC117807	125mL	Poly Bottle	Not Regulated	24	\$26.20
LC117801	500mL	Poly Bottle	Not Regulated	24	\$53.60
Bouin's Fluid, Tissue Fixative (Picric Acid, Formaldehyde, Acetic Acid)					
LC117901	500mL	Poly Bottle	UN3265, 8, PG III	24	\$41.40
LC117902	1L	Poly Bottle	UN3265, 8, PG III	24	\$66.10
LC117904	4L	Poly Bottle	UN3265, 8, PG III	24	\$165.90
Brij® 35, 30% w/v					
LC117921	500mL	Amber Glass	Not Regulated	24	\$38.40
Brilliant Green					
LC117958	25g	Amber Glass	Not Regulated	N/A	\$44.30
Brilliant Green, 1% Aqueous, pH 0.0 – 2.6 Yellow to Green					
LC118001	500mL	Poly Bottle	Not Regulated	24	\$56.20
Bromate–Bromide, 0.1N (0.017M), for Phenols					
APHA 5530 C,D					
<i>Traceable to NIST</i>					
LC119501	500mL	Amber Glass	Not Regulated	24	\$39.60
LC119502	1L	Amber Glass	Not Regulated	24	\$53.00
LC119504	4L	Amber Glass	Not Regulated	24	\$112.70

Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2021 Price
Bromate–Bromide, 0.5N (0.083M)					
<i>Traceable to NIST</i>					
LC119701	500mL	Amber Glass	Not Regulated	24	\$48.50
LC119704	4L	Amber Glass	Not Regulated	24	\$144.60
Bromine Water, Saturated					
<i>Traceable to NIST</i>					
LC120001	500mL	Amber Glass	UN1744, 8(6.1), PG I	36	\$141.00
Bromocresol Green, Sodium Salt, ACS					
LC118207	10g	Amber Glass	Not Regulated	N/A	\$164.10
Bromocresol Green, 0.04% w/v Aqueous, pH 3.8 – 5.4 Yellow to Blue					
LC118307	125mL	Poly Bottle	Not Regulated	36	\$21.20
LC118301	500mL	Poly Bottle	Not Regulated	36	\$25.70
LC118302	1L	Poly Bottle	Not Regulated	36	\$37.90
Bromocresol Green, 0.1% w/v Aqueous, pH 3.8 – 5.4 Yellow to Blue					
LC118507	125mL	Poly Bottle	Not Regulated	36	\$20.30
LC118501	500mL	Poly Bottle	Not Regulated	36	\$36.90
Bromocresol Green – Methyl Red, Aqueous, for Alkalinity					
APHA 2320 B					
LC118707	125mL	White Poly	Not Regulated	24	\$23.90
LC118701	500mL	Amber Poly	Not Regulated	24	\$37.10
LC118704	4L	Amber Poly	Not Regulated	24	\$249.60
Bromocresol Green – Methyl Red, Alcoholic, for Alkalinity					
APHA 2320 B					
LC118807	125mL	White Poly	UN1170, 3, PG II	12	\$41.10
LC118801	500mL	Amber Poly	UN1170, 3, PG II	12	\$49.80
LC118802	1L	Amber Poly	UN1170, 3, PG II	12	\$83.90
Bromocresol Purple, Sodium Salt					
LC118857	10g	Amber Glass	Not Regulated	N/A	\$67.10
Bromocresol Purple, 0.04% Aqueous, pH 5.3 – 6.8 Yellow to Purple					
LC118907	125mL	Poly Bottle	Not Regulated	24	\$17.00
LC118901	500mL	Poly Bottle	Not Regulated	24	\$23.20
Bromophenol Blue, Sodium Salt, ACS					
LC120107	10g	Amber Glass	Not Regulated	N/A	\$46.50
Bromophenol Blue, 0.04% Aqueous, pH 3.0 – 4.6 Yellow to Blue					
LC120207	125mL	Poly Bottle	Not Regulated	36	\$17.50
LC120201	500mL	Poly Bottle	Not Regulated	36	\$23.50
LC120202	1L	Poly Bottle	Not Regulated	36	\$39.10

Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2021 Price
Bromophenol Blue, 0.1% Aqueous, pH 3.0 – 4.6 Yellow to Blue					
LC120307	125mL	Poly Bottle	Not Regulated	36	\$15.00
LC120301	500mL	Poly Bottle	Not Regulated	36	\$35.40
LC120302	1L	Poly Bottle	Not Regulated	36	\$60.00
Bromothymol Blue, Sodium Salt, ACS					
LC120407	10g	Amber Glass	Not Regulated	N/A	\$86.90
Bromothymol Blue, 0.04% Aqueous, pH 6.0 – 7.6 Yellow to Blue					
LC120507	125mL	Poly Bottle	Not Regulated	24	\$14.50
LC120501	500mL	Poly Bottle	Not Regulated	24	\$23.60
LC120502	1L	Poly Bottle	Not Regulated	24	\$44.70
Bromothymol Blue–Phenol Red, Mixed Indicator					
LC120807	125mL	Poly Bottle	Not Regulated	24	\$19.10
Buffer, Phosphate – See Phosphate Buffer, Page 63–64.					
Buffer Solutions Are Available in Any Size or pH. Please Call or Email info@LabChem.com for a Custom Quotation.					
Buffer Starter Kit (500mL Buffers pH 4.0, 7.0, and 10.0 and 125mL Potassium Chloride, 4M)					
<i>Traceable to NIST</i>					
LC12100		Poly Bottle	Not Regulated	N/A	\$72.80
Buffer Solution pH 1.0 @ 25°C					
<i>Traceable to NIST</i>					
LC121801	500mL	Poly Bottle	UN1789, 8, PG III	12	\$23.30
LC121802	1L	Poly Bottle	UN1789, 8, PG III	12	\$40.40
LC121804	4L	Poly Bottle	UN1789, 8, PG III	12	\$96.70
Buffer Solution pH 1.07 @ 25°C					
<i>Traceable to NIST</i>					
LC122001	500mL	Poly Bottle	Not Regulated	24	\$27.20
LC122002	1L	Poly Bottle	Not Regulated	24	\$43.70
LC122004	4L	Poly Bottle	Not Regulated	24	\$97.70
Buffer Solution pH 1.68 @ 25°C					
<i>Traceable to NIST</i>					
LC122101	500mL	Poly Bottle	Not Regulated	24	\$30.30
LC122102	1L	Poly Bottle	Not Regulated	24	\$49.40
LC122104	4L	Poly Bottle	Not Regulated	24	\$124.70

Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2021 Price
Buffer Solution pH 2.0 @ 25°C					
<i>Traceable to NIST</i>					
LC122201	500mL	Poly Bottle	Not Regulated	24	\$23.20
LC122202	1L	Poly Bottle	Not Regulated	24	\$39.70
LC122204	4L	Poly Bottle	Not Regulated	24	\$91.40
LC122206	10L	Cubitainer®	Not Regulated	24	\$147.30
LC122205	20L	Cubitainer®	Not Regulated	24	\$217.80
Buffer Solution pH 3.0 @ 25°C					
<i>Traceable to NIST</i>					
LC122501	500mL	Poly Bottle	Not Regulated	24	\$23.50
LC122502	1L	Poly Bottle	Not Regulated	24	\$40.90
LC122504	4L	Poly Bottle	Not Regulated	24	\$92.10
LC122506	10L	Cubitainer®	Not Regulated	24	\$148.40
Buffer Solution pH 4.0 @ 25°C					
<i>Traceable to NIST</i>					
LC122701	500mL	Poly Bottle	Not Regulated	24	\$17.60
LC122702	1L	Poly Bottle	Not Regulated	24	\$28.30
LC122704	4L	Poly Bottle	Not Regulated	24	\$56.50
LC122706	10L	Cubitainer®	Not Regulated	24	\$95.70
LC122705	20L	Cubitainer®	Not Regulated	24	\$117.10
Buffer Solution pH 4.0 @ 25°C, Color Coded Red					
<i>Traceable to NIST</i>					
LC122801	500mL	Poly Bottle	Not Regulated	24	\$17.60
LC122802	1L	Poly Bottle	Not Regulated	24	\$28.30
LC122804	4L	Poly Bottle	Not Regulated	24	\$56.70
LC122804C	4L	Cubitainer®	Not Regulated	24	\$59.20
LC122806	10L	Cubitainer®	Not Regulated	24	\$89.60
LC122805	20L	Cubitainer®	Not Regulated	24	\$113.20
LC1228020	20X20mL	Pack	Not Regulated	24	\$54.80
Buffer Solution pH 5.0 @ 25°C					
<i>Traceable to NIST</i>					
LC123001	500mL	Poly Bottle	Not Regulated	24	\$24.00
LC123002	1L	Poly Bottle	Not Regulated	24	\$40.60
LC123004	4L	Poly Bottle	Not Regulated	24	\$91.50
LC123006	10L	Cubitainer®	Not Regulated	24	\$148.90
LC123005	20L	Cubitainer®	Not Regulated	24	\$217.20

Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2021 Price
Buffer Solution pH 6.0 @ 25°C					
<i>Traceable to NIST</i>					
LC123301	500mL	Poly Bottle	Not Regulated	24	\$24.30
LC123302	1L	Poly Bottle	Not Regulated	24	\$37.20
LC123304	4L	Poly Bottle	Not Regulated	24	\$89.00
LC123306	10L	Cubitainer®	Not Regulated	24	\$149.30
LC123305	20L	Cubitainer®	Not Regulated	24	\$206.80
Buffer Solution pH 6.86 @ 25°C					
<i>Traceable to NIST</i>					
LC123501	500mL	Poly Bottle	Not Regulated	24	\$24.00
LC123502	1L	Poly Bottle	Not Regulated	24	\$42.20
LC123504	4L	Poly Bottle	Not Regulated	24	\$80.10
LC123506	10L	Cubitainer®	Not Regulated	24	\$147.90
LC123505	20L	Cubitainer®	Not Regulated	24	\$200.70
Buffer Solution pH 7.0 @ 25°C					
<i>Traceable to NIST</i>					
LC123701	500mL	Poly Bottle	Not Regulated	24	\$17.60
LC123702	1L	Poly Bottle	Not Regulated	24	\$28.30
LC123704	4L	Poly Bottle	Not Regulated	24	\$56.50
LC123706	10L	Cubitainer®	Not Regulated	24	\$95.70
LC123705	20L	Cubitainer®	Not Regulated	24	\$117.10
Buffer Solution pH 7.0 @ 25°C, Color Coded Yellow					
<i>Traceable to NIST</i>					
LC123801	500mL	Poly Bottle	Not Regulated	24	\$17.60
LC123802	1L	Poly Bottle	Not Regulated	24	\$28.30
LC123804	4L	Poly Bottle	Not Regulated	24	\$56.70
LC123804C	4L	Cubitainer®	Not Regulated	24	\$59.20
LC123806	10L	Cubitainer®	Not Regulated	24	\$89.60
LC123805	20L	Cubitainer®	Not Regulated	24	\$113.20
LC1238020	20X20mL	Pack	Not Regulated	24	\$54.80
Buffer Solution pH 7.38 @ 25°C					
<i>Traceable to NIST</i>					
LC124001	500mL	Poly Bottle	Not Regulated	24	\$39.70
LC124002	1L	Poly Bottle	Not Regulated	24	\$66.30
Buffer Solution pH 7.4 @ 25°C					
<i>Traceable to NIST</i>					
LC123901	500mL	Poly Bottle	Not Regulated	24	\$21.90
LC123902	1L	Poly Bottle	Not Regulated	24	\$40.70
LC123904	4L	Poly Bottle	Not Regulated	24	\$86.60

Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2021 Price
Buffer Solution pH 7.7 @ 25°C					
<i>Traceable to NIST</i>					
LC124101	500mL	Poly Bottle	Not Regulated	24	\$32.80
LC124102	1L	Poly Bottle	Not Regulated	24	\$46.70
LC124104	4L	Poly Bottle	Not Regulated	24	\$125.00
LC124105	20L	Cubitainer®	Not Regulated	24	\$258.20
Buffer Solution pH 8.0 @ 25°C					
<i>Traceable to NIST</i>					
LC124201	500mL	Poly Bottle	Not Regulated	24	\$23.10
LC124202	1L	Poly Bottle	Not Regulated	24	\$39.90
LC124204	4L	Poly Bottle	Not Regulated	24	\$88.80
LC124206	10L	Cubitainer®	Not Regulated	24	\$134.60
LC124205	20L	Cubitainer®	Not Regulated	24	\$196.90
Buffer Solution pH 9.0 @ 25°C					
<i>Traceable to NIST</i>					
LC124401	500mL	Poly Bottle	Not Regulated	24	\$19.40
LC124402	1L	Poly Bottle	Not Regulated	24	\$37.20
LC124404	4L	Poly Bottle	Not Regulated	24	\$91.50
LC124406	10L	Cubitainer®	Not Regulated	24	\$149.30
LC124405	20L	Cubitainer®	Not Regulated	24	\$211.60
Buffer Solution pH 9.18 @ 25°C					
<i>Traceable to NIST</i>					
LC124501	500mL	Poly Bottle	Not Regulated	24	\$28.10
LC124502	1L	Poly Bottle	Not Regulated	24	\$49.00
LC124504	4L	Poly Bottle	Not Regulated	24	\$107.60
LC124506	10L	Cubitainer®	Not Regulated	24	\$206.60
LC124505	20L	Cubitainer®	Not Regulated	24	\$288.30
Buffer Solution pH 10.0 @ 25°C, Carbonate					
<i>Traceable to NIST</i>					
LC124551	500mL	Poly Bottle	Not Regulated	24	\$17.60
LC124552	1L	Poly Bottle	Not Regulated	24	\$28.30
LC124554	4L	Poly Bottle	Not Regulated	24	\$56.50
LC124556	10L	Cubitainer®	Not Regulated	24	\$95.70
LC124555	20L	Cubitainer®	Not Regulated	24	\$117.10

Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2021 Price
Buffer Solution pH 10.0 @ 25°C					
<i>Traceable to NIST</i>					
LC125001	500mL	Poly Bottle	Not Regulated	12	\$17.60
LC125002	1L	Poly Bottle	Not Regulated	12	\$28.30
LC125004	4L	Poly Bottle	Not Regulated	12	\$56.50
LC125006	10L	Cubitainer®	Not Regulated	12	\$95.70
LC125005	20L	Cubitainer®	Not Regulated	12	\$117.10
Buffer Solution pH 10.0 @ 25°C, Carbonate, Color Coded Blue					
<i>Traceable to NIST</i>					
LC125051	500mL	Poly Bottle	Not Regulated	24	\$17.60
LC125052	1L	Poly Bottle	Not Regulated	24	\$28.30
LC125054	4L	Poly Bottle	Not Regulated	24	\$56.70
LC125054C	4L	Cubitainer®	Not Regulated	24	\$59.20
LC125056	10L	Cubitainer®	Not Regulated	24	\$91.70
LC125055	20L	Cubitainer®	Not Regulated	24	\$113.20
LC1250520	20X20mL	Pack	Not Regulated	24	\$54.80
Buffer Solution pH 10.0 @ 25°C, Color Coded Blue					
<i>Traceable to NIST</i>					
LC125101	500mL	Poly Bottle	Not Regulated	12	\$17.60
LC125102	1L	Poly Bottle	Not Regulated	12	\$28.30
LC125104	4L	Poly Bottle	Not Regulated	12	\$56.70
LC125104C	4L	Cubitainer®	Not Regulated	12	\$59.20
LC125106	10L	Cubitainer®	Not Regulated	12	\$91.70
LC125105	20L	Cubitainer®	Not Regulated	12	\$113.20
LC1251020	20X20mL	Pack	Not Regulated	12	\$54.80
Buffer Solution pH 11.0 @ 25°C					
<i>Traceable to NIST</i>					
LC125401	500mL	Poly Bottle	Not Regulated	12	\$23.70
LC125402	1L	Poly Bottle	Not Regulated	12	\$37.70
LC125404	4L	Poly Bottle	Not Regulated	12	\$99.60
Buffer Solution pH 12.0 @ 25°C					
<i>Traceable to NIST</i>					
LC125601	500mL	Poly Bottle	Not Regulated	12	\$23.70
LC125602	1L	Poly Bottle	Not Regulated	12	\$36.20
Buffer Solution pH 12.45 @ 25°C					
<i>Traceable to NIST</i>					
LC125621	500mL	Poly Bottle	Not Regulated	12	\$22.30
LC125624	4L	Poly Bottle	Not Regulated	12	\$61.90

Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2021 Price
Buffer Solution pH 13.0 @ 25°C					
<i>Traceable to NIST</i>					
LC125651	500mL	Poly Bottle	Not Regulated	12	\$37.70
LC125652	1L	Poly Bottle	Not Regulated	12	\$69.00
LC125654	4L	Poly Bottle	Not Regulated	12	\$121.70
LC125656	10L	Cubitainer®	Not Regulated	12	\$214.10
LC125655	20L	Cubitainer®	Not Regulated	12	\$297.40

Buffer Solution A, for Sulfate

 APHA 4500-SO₄²⁻ E

Traceable to NIST

LC125702	1L	Poly Bottle	Not Regulated	36	\$116.10
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Buffer Solution B, for Sulfate

 APHA 4500-SO₄²⁻ E

Traceable to NIST

LC125752	1L	Poly Bottle	Not Regulated	36	\$116.10
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Buffer Solution for Arsenic – See Acetate Buffer for Arsenic, Page 2.
Buffer Solution for BOD – See Phosphate Buffer, pH 7.2, Page 64.
Buffer Solution for Bromide – See Acetate Buffer for Bromide, Page 2.
Buffer Solution for Calcium and Magnesium – See Water Hardness Buffer, Page 108.
Buffer Solution for Chlorine – See Acetate Buffer for Chlorine, Page 2.
Buffer Solution for Chlorine – See Phosphate Buffer, pH 6.2–6.5 and pH 7.0, Page 64.
Buffer Solution for Cyanide – See Acetate Buffer for Cyanide, Page 2.
Buffer Solution for Cyanide – See Phosphate Buffer, pH 4.1, Page 63.
Buffer Solution for Fluoride

ASTM D1179-10 B

Traceable to NIST

LC125802	1L	Poly Bottle	Not Regulated	24	\$65.90
LC125804	4L	Poly Bottle	Not Regulated	24	\$103.20

Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2021 Price
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Buffer Solution for Iron – See Ammonium Acetate Buffer, Page 8.

Buffer Solution for Nitrogen (Ammonia) – See Borate Buffer, Page 14.

Buffer Solution for Nitrogen (Nitrate)

APHA 4500-NO₃⁻ D

LC125761	500mL	Amber Glass	Not Regulated	24	\$69.10
LC125762	1L	Amber Glass	Not Regulated	24	\$105.20

Buffer Solution for Phenols – See Phosphate Buffer, pH 6.8, Page 64.

Buffer Solution for Water Hardness – See Water Hardness Buffers, Page 108.

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

Traceable to NIST

LC125901	500mL	Poly Bottle	Not Regulated	24	\$23.30
LC125902	1L	Poly Bottle	Not Regulated	24	\$36.70

Buffer, Total Ionic Strength Adjustment – See TISAB II, Page 106.

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

Traceable to NIST

LC126007	125mL	Poly Bottle	UN3264, 8, PG II	24	\$28.70
LC126001	500mL	Poly Bottle	UN3264, 8, PG II	24	\$53.70

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

Traceable to NIST

LC126507	125mL	Poly Bottle	Not Regulated	24	\$24.20
LC126501	500mL	Poly Bottle	Not Regulated	24	\$50.10

Calcium Carbonate, ACS

LC126901	500g	Poly Bottle	Not Regulated	N/A	\$123.60
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Calcium Carbonate Standard (1 mL = 1 mg CaCO₃ = 0.4mg Ca), for Hardness

Traceable to NIST

LC127007	125mL	Poly Bottle	Not Regulated	24	\$28.90
LC127001	500mL	Poly Bottle	Not Regulated	24	\$43.50

Looking for Safety Data Sheets (SDS) or Certificates of Analysis (CofA)? Please visit LabChem.com.

Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2021 Price
Calcium Chloride, Dihydrate, ACS					
LC127251	500g	Poly Bottle	Not Regulated	N/A	\$117.40
Calcium Chloride, 2.75% w/v, for BOD					
APHA 5210 B				Refrigerated Item	
<i>Traceable to NIST</i>					
LC127301	500mL	Poly Bottle	Not Regulated	12	\$27.20
LC127302	1L	Poly Bottle	Not Regulated	12	\$42.80
Calcium Chloride, 1mL=1mg CaCO₃ – See Calcium Carbonate Standard, Page 23.					
Calcium Chloride, 0.02M (0.04N)					
<i>Traceable to NIST</i>					
LC128001	500mL	Poly Bottle	Not Regulated	24	\$24.20
Calcium Chloride, 0.025M (0.05N)					
<i>Traceable to NIST</i>					
LC128051	500mL	Poly Bottle	Not Regulated	24	\$29.40
Calmagite Indicator, 0.1% Aqueous, for Hardness					
APHA 2340 C					
LC128507	125mL	Poly Bottle	Not Regulated	24	\$18.70
LC128501	500mL	Poly Bottle	Not Regulated	24	\$29.40
Carbol-Fuchsin Solution (Kinyoun), for Staining Acid-Fast Bacteria					
LC128801	500mL	Amber Glass	Not Regulated	12	\$190.70
Carbon Standard, 1000ppm, Inorganic (1mL = 1mg C), (Sodium Carbonate-Sodium Bicarbonate)					
LC129007	125mL	Poly Bottle	Not Regulated	24	\$27.90
LC129001	500mL	Poly Bottle	Not Regulated	24	\$40.20
Carbon Standard, 1000ppm, Organic (1mL = 1mg C) (Potassium Hydrogen Phthalate)					
<i>Traceable to NIST</i>					
LC129107	125mL	Poly Bottle	Not Regulated	24	\$27.90
LC129101	500mL	Poly Bottle	Not Regulated	24	\$37.10

Looking for Safety Data Sheets (SDS) or Certificates of Analysis (CofA)? Please visit LabChem.com.

Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2021 Price
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Prices Listed for Ceric Ammonium Sulfate Solutions Are Subject to Change.
Please Call for Current Prices.

Ceric Ammonium Sulfate Solutions Are Available in Any Size or Concentration.
Please Call or Email info@LabChem.com for a Custom Quotation.

Ceric Ammonium Sulfate, 0.10N (0.10M) in 1.0N Sulfuric Acid

Traceable to NIST

LC129301	500mL	Amber Glass	UN2796, 8, PG II	24	\$37.60
LC129302	1L	Amber Glass	UN2796, 8, PG II	24	\$51.00
LC129304	4L	Amber Glass	UN2796, 8, PG II	24	\$143.10
LC129306	10L	Cubitainer®	UN2796, 8, PG II	24	\$360.00
LC129305	20L	Cubitainer®	UN2796, 8, PG II	24	\$692.70

Chloride Standard, 500ppm (1mL = 0.5mg Cl⁻) (0.0141N) (NaCl in Water)

APHA 4500-Cl⁻ B,C,D, 4500-ClO₂ E

Traceable to NIST

LC130101	500mL	Poly Bottle	Not Regulated	24	\$28.60
LC130102	1L	Poly Bottle	Not Regulated	24	\$48.60

Chloride Standard, 1000ppm (1mL = 1mg Cl⁻) (0.0282N) (NaCl in Water)

APHA 4500-Cl⁻ E,G

Traceable to NIST

LC130007	125mL	Poly Bottle	Not Regulated	24	\$22.20
LC130001	500mL	Poly Bottle	Not Regulated	24	\$44.30

Chloroform, ACS

LC130401	500mL	Amber Glass	UN1888, 6.1, PG III	N/A	\$46.10
LC130402	1L	Amber Glass	UN1888, 6.1, PG III	N/A	\$66.10
LC130404	4L	Amber Glass	UN1888, 6.1, PG III	N/A	\$246.00

Chloroform-Butanol Reagent, for Organic Acids

APHA 5560 B

LC130502	1L	Amber Glass	UN2810, 6.1, PG III	24	\$165.80
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Chlorophenol Red, Sodium Salt

LC130707	10g	Amber Glass	Not Regulated	N/A	\$110.20
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Chlorophenol Red, 0.04% Aqueous, pH 5.2 – 6.8 Yellow to Red

LC130807	125mL	Amber Glass	Not Regulated	24	\$18.30
LC130802	1L	Amber Glass	Not Regulated	24	\$41.40

Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2021 Price
Chromic Acid – See also Chromium Trioxide, ACS, Page 26.					
Chromic Acid, 10% w/v					
<i>Traceable to NIST</i>					
LC131001	500mL	Poly Bottle	UN1755, 8, PG II	24	\$45.00
LC131002	1L	Poly Bottle	UN1755, 8, PG II	24	\$74.50
LC131004	4L	Poly Bottle	UN1755, 8, PG II	24	\$139.60
Chromium AA Standard, 1000ppm (1 mL = 1 mg Cr)					
<i>Traceable to NIST</i>					
LC131207	125mL	Poly Bottle	Not Regulated	24	\$23.50
LC131201	500mL	Poly Bottle	Not Regulated	24	\$52.80
Chromium Trioxide (Chromic Acid), ACS					
LC130901	500g	Amber Glass	UN1463, 5.1(6.1,8), PG II	N/A	\$127.10
Citrate–Cyanide Reducing Solution, for Lead					
APHA 3500–Pb B					
LC131301	500mL	Poly Bottle	UN1935, 6.1, PG III	24	\$40.40
Citric Acid, Anhydrous, ACS					
LC131401	500g	Poly Bottle	Not Regulated	N/A	\$193.30
Citric Acid, 10% w/v					
<i>Traceable to NIST</i>					
LC131501	500mL	Poly Bottle	Not Regulated	24	\$28.60
LC131502	1L	Poly Bottle	Not Regulated	24	\$47.60
LC131504	4L	Poly Bottle	Not Regulated	24	\$96.90
Citric Acid, 1.0M (3.0N), for Radium					
APHA 7500–Ra B					
<i>Traceable to NIST</i>					
LC131801	500mL	Poly Bottle	Not Regulated	24	\$45.80
LC131802	1L	Poly Bottle	Not Regulated	24	\$77.70
Cobalt AA Standard, 1000ppm (1 mL = 1 mg Co)					
<i>Traceable to NIST</i>					
LC132307	125mL	Poly Bottle	Not Regulated	24	\$25.20
LC132301	500mL	Poly Bottle	Not Regulated	24	\$60.90
Cobalt Nitrate, 8% w/v					
TAPPI T421 om–97					
LC132207	125mL	Poly Bottle	Not Regulated	24	\$34.20
Cobaltous Chloride, Hexahydrate, ACS					
LC131901	500g	Poly Bottle	UN3260, 8, PG III	N/A	\$186.00

Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2021 Price
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, PG II	24	\$46.70
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	\$30.20
COD Standard, 1000ppm (1 mL = 1mg COD) (Potassium Acid Phthalate in Water)					
<i>Traceable to NIST</i>					
LC132451	500mL	Poly Bottle	Not Regulated	24	\$29.70
Color Reagent for Chloride					
APHA 4500-Cl ⁻ E,G					
LC132601	500mL	Amber Glass	Not Regulated	24	\$59.60
LC132602	1L	Amber Glass	Not Regulated	24	\$85.20
LC132604	4L	Amber Glass	Not Regulated	24	\$207.30
Color Reagent for Nitrogen (Nitrate), for Automated Cadmium Reduction Method					
APHA 4500-NO ₃ ⁻ F				Refrigerated Item	
LC132801	500mL	Amber Glass	UN1805, 8, PG III	3	\$63.30
LC132802	1L	Amber Glass	UN1805, 8, PG III	3	\$98.80
LC132804	4L	Amber Glass	UN1805, 8, PG III	3	\$298.10
Color Standards Contain Platinum. Prices Are Subject to Change. Please Call for Current Prices.					
Color Standard, Pt-Co, 10 Units APHA					
APHA 2120 B					
<i>Traceable to NIST</i>					
LC132911	500mL	Amber Glass	Not Regulated	12	\$223.00
Color Standard, Pt-Co, 20 Units APHA					
APHA 2120 B					
<i>Traceable to NIST</i>					
LC132921	500mL	Amber Glass	Not Regulated	12	\$223.00
Color Standard, Pt-Co, 25 Units APHA					
APHA 2120 B					
<i>Traceable to NIST</i>					
LC132931	500mL	Amber Glass	Not Regulated	12	\$252.00
Color Standard, Pt-Co, 50 Units APHA					
APHA 2120 B					
<i>Traceable to NIST</i>					
LC132941	500mL	Amber Glass	Not Regulated	12	\$252.00

Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2021 Price
Color Standard, Pt-Co, 100 Units APHA					
APHA 2120 B <i>Traceable to NIST</i>					
LC132951	500mL	Amber Glass	Not Regulated	24	\$252.00
Color Standard, Pt-Co, 500 Units APHA, Stock Solution					
APHA 2120 B <i>Traceable to NIST</i>					
LC133007	125mL	Amber Glass	UN1789, 8, PG II	24	\$135.20
LC133001	500mL	Amber Glass	UN1789, 8, PG II	24	\$310.90
LC133002	1L	Amber Glass	UN1789, 8, PG II	24	\$570.30
Conditioning Reagent, for Sulfate					
ASTM D516-90					
LC133201	500mL	Poly Bottle	UN1789, 8, PG III	24	\$50.90
Conductivity Standards (Potassium Chloride in Water) Are Available in Any Size or Concentration. Please Call or Email info@LabChem.com for a Custom Quotation.					
Conductivity Standard, 84µmho/cm					
<i>Traceable to NIST</i>					
LC187501	500mL	Poly Bottle	Not Regulated	24	\$37.60
Conductivity Standard, 447µmho/cm					
<i>Traceable to NIST</i>					
LC187551	500mL	Poly Bottle	Not Regulated	24	\$37.70
Conductivity Standard, 500µmho/cm					
<i>Traceable to NIST</i>					
LC187602	1L	Poly Bottle	Not Regulated	24	\$37.60
Conductivity Standard, 717µmho/cm					
<i>Traceable to NIST</i>					
LC187652	1L	Poly Bottle	Not Regulated	24	\$41.40
Conductivity Standard, 1000µmho/cm					
<i>Traceable to NIST</i>					
LC187712	1L	Poly Bottle	Not Regulated	24	\$35.50
Conductivity Standard, 1409µmho/cm					
<i>Traceable to NIST</i>					
LC187802	1L	Poly Bottle	Not Regulated	24	\$39.90
LC187806	10L	Cubitainer®	Not Regulated	24	\$164.10
Conductivity Standard, 1500µmho/cm					
<i>Traceable to NIST</i>					
LC187861	500mL	Poly Bottle	Not Regulated	24	\$39.00

Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2021 Price
Conductivity Standard, 2000μmho/cm					
<i>Traceable to NIST</i>					
LC187732	1L	Poly Bottle	Not Regulated	24	\$39.70
Conductivity Standard, 2765μmho/cm					
<i>Traceable to NIST</i>					
LC187722	1L	Poly Bottle	Not Regulated	24	\$43.90
Conductivity Standard, 3000μmho/cm					
<i>Traceable to NIST</i>					
LC187742	1L	Poly Bottle	Not Regulated	24	\$48.10
Conductivity Standard, 5000μmho/cm					
<i>Traceable to NIST</i>					
LC187752	1L	Poly Bottle	Not Regulated	24	\$45.40
Conductivity Standard, 8974μmho/cm					
<i>Traceable to NIST</i>					
LC187871	500mL	Poly Bottle	Not Regulated	24	\$42.90
Conductivity Standard, 10,000μmho/cm					
<i>Traceable to NIST</i>					
LC187772	1L	Poly Bottle	Not Regulated	24	\$53.60
Conductivity Standard, 12,856μmho/cm					
<i>Traceable to NIST</i>					
LC187792	1L	Poly Bottle	Not Regulated	24	\$55.60
Conductivity Standard, 15,000μmho/cm					
<i>Traceable to NIST</i>					
LC187891	500mL	Poly Bottle	Not Regulated	24	\$40.00
Conductivity Standard, 100,000μmho/cm					
<i>Traceable to NIST</i>					
LC187912	1L	Poly Bottle	Not Regulated	24	\$64.90
Congo Red					
LC133507	10g	Amber Glass	Not Regulated	N/A	\$67.10
Congo Red Indicator, 0.1% w/v, pH 3.0 – 5.0 Blue to Red					
LC133607	125mL	Poly Bottle	Not Regulated	24	\$14.30
LC133601	500mL	Poly Bottle	Not Regulated	24	\$36.60
Congo Red Paper, Test Strips					
LC133808	Vial	Vial	Not Regulated	N/A	\$10.00

Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2021 Price
Copper AA Standard, 1000ppm (1mL = 1mg Cu)					
<i>Traceable to NIST</i>					
LC134007	125mL	Poly Bottle	Not Regulated	24	\$23.20
LC134001	500mL	Poly Bottle	Not Regulated	24	\$55.30
Copper Sulfate, Pentahydrate, ACS					
LC134051	500g	Poly Bottle	UN3077, 9, PG III	N/A	\$55.00
Copper Sulfate, Sp.Gr. 1.186 @ 18.4°C					
LC134452	1L	Poly Bottle	Not Regulated	24	\$40.10
LC134454	4L	Poly Bottle	Not Regulated	24	\$91.40
Copper Sulfate, 2g/L, for Morpholine					
ASTM D1942-80					
LC134101	500mL	Poly Bottle	Not Regulated	24	\$31.40
Copper Sulfate, 2% w/v, for Nitrogen (Nitrate)					
APHA 4500-NO ₃ ⁻ E,F, ASTM D3867-09 A,B					
<i>Traceable to NIST</i>					
LC134201	500mL	Poly Bottle	Not Regulated	24	\$23.70
LC134202	1L	Poly Bottle	Not Regulated	24	\$36.40
LC134204	4L	Poly Bottle	Not Regulated	24	\$110.50
Copper Sulfate, 10% w/v					
<i>Traceable to NIST</i>					
LC134401	500mL	Poly Bottle	Not Regulated	24	\$25.90
LC134402	1L	Poly Bottle	Not Regulated	24	\$42.70
LC134404	4L	Poly Bottle	Not Regulated	24	\$78.10
Copper Sulfate, 0.01M (0.01N)					
TAPPI T504 cm-97					
<i>Traceable to NIST</i>					
LC134422	1L	Poly Bottle	Not Regulated	24	\$26.30
Copper Sulfate, 0.02M (0.02N)					
TAPPI T504 cm-97					
<i>Traceable to NIST</i>					
LC134432	1L	Poly Bottle	Not Regulated	24	\$28.30
Copper Sulfate – Hydrochloric Acid					
LC134504	4L	Poly Bottle	UN1789, 8, PG II	24	\$76.00
Copper Sulfate – Sulfamic Acid, for Dissolved Oxygen					
APHA 4500-O F					
LC134702	1L	Poly Bottle	UN1760, 8, PG III	24	\$63.60
m-Cresol Purple, Sodium Salt					
LC134907	10g	Amber Glass	Not Regulated	N/A	\$197.70

Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2021 Price
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	\$30.30
Cresol Red, Sodium Salt					
LC135107	10g	Amber Glass	Not Regulated	N/A	\$55.00
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	\$20.20
LC135201	500mL	Poly Bottle	Not Regulated	24	\$32.20
Crystal Violet, 1% w/v in Glacial Acetic Acid, for Non-Aqueous Titrations					
LC135417	125mL	Amber Glass	UN2789, 8(3), PG II	12	\$30.80
Crystal Violet – See Also Gentian Violet, Page 41.					
Cupriethylenediamine, 1.0M					
TAPPI T230 om-99, T254 cm-00					
LC135432	1L	Amber Glass	UN1761, 8(6.1), PG II	12	\$99.70
LC135434	4L	Amber Glass	UN1761, 8(6.1), PG II	12	\$269.80
Cyanide Indicator – See Indicator Solution for Cyanide, Page 48.					
Cyanide Standard, 1000ppm (1 mL = 1 mg CN⁻)					
APHA 4500-CN ⁻ E,F,H,I,J,K					
<i>Traceable to NIST</i>					
LC135457	125mL	Poly Bottle	Not Regulated	6	\$24.30
LC135451	500mL	Poly Bottle	Not Regulated	6	\$53.80
LC135452	1L	Poly Bottle	Not Regulated	6	\$73.80
Diammonium Hydrogen Phosphate – See Ammonium Phosphate, Page 11.					
Dichlorofluorescein, ACS					
LC135707	10g	Amber Glass	Not Regulated	N/A	\$127.30
Dichlorofluorescein, 0.1% Alcoholic					
LC135807	125mL	Poly Bottle	UN1170, 3, PG III	24	\$35.60
LC135801	500mL	Poly Bottle	UN1170, 3, PG III	24	\$68.30
Digestion Mixture for Nitrogen – See Acid Digestion Reagent, Page 5.					
Diluting Fluid for CSF (Cerebrospinal Fluid)					
LC135857	125mL	Poly Bottle	Not Regulated	24	\$27.00

Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2021 Price
Diluting Fluid for Sperm					
LC135877	125mL	Poly Bottle	Not Regulated	24	\$25.90
LC135871	500mL	Poly Bottle	Not Regulated	24	\$37.60
p-Dimethylaminobenzaldehyde, ACS					
LC135899	100g	Amber Glass	Not Regulated	N/A	\$159.30
p-Dimethylaminobenzaldehyde Solution, 1.8%, for Hydrazine, Nickel					
ASTM D1385-07					
LC135908	250mL	Amber Glass	UN2924, 3(8), PG II	3	\$49.20
LC135901	500mL	Amber Glass	UN2924, 3(8), PG II	3	\$75.90
p-Dimethylaminobenzalrhodanine – See Indicator Solution for Cyanide, Page 48.					
Dimethylglyoxime, ACS					
LC135969	100g	Poly Bottle	UN2926, 4.1(6.1), PG III	N/A	\$60.10
Dimethylglyoxime, 1% Alcoholic, for Nickel					
APHA 3500-Ni D,E					
LC136007	125mL	Poly Bottle	UN1170, 3, PG II	24	\$24.00
LC136001	500mL	Poly Bottle	UN1170, 3, PG II	24	\$34.70
Diphenylamine, ACS					
LC136109	100g	Amber Glass	Not Regulated	N/A	\$57.40
Diphenylamine, 0.3% in 50% Sulfuric Acid					
LC136401	500mL	Amber Glass	UN1830, 8, PG II	24	\$80.80
Diphenylamine, 1% in Sulfuric Acid					
LC136507	125mL	Amber Glass	UN1830, 8, PG II	12	\$50.20
LC136501	500mL	Amber Glass	UN1830, 8, PG II	12	\$90.50
Diphenylcarbazine, ACS					
LC136558	25g	Amber Glass	Not Regulated	N/A	\$101.40
Diphenylcarbazine, 0.5% in Acetone, for Chromium					
APHA 3500-Cr B					
LC136707	125mL	Amber Glass	UN1090, 3, PG II	6	\$49.80
LC136701	500mL	Amber Glass	UN1090, 3, PG II	6	\$96.10
Diphenylcarbazine, 1% Alcoholic					
LC136607	125mL	Amber Glass	UN1170, 3, PG II	24	\$48.60
s-Diphenylcarbazone, ACS					
LC136757	10g	Amber Glass	UN1325, 4.1, PG III	N/A	\$70.30

Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2021 Price
Diphenylcarbazone–Bromophenol Blue, for Chloride					
APHA 4500–Cl ⁻ C, ASTM D512–12 A					
LC136807	125mL	Amber Glass	UN1993, 3, PG II	12	\$36.90
LC136801	500mL	Amber Glass	UN1993, 3, PG II	12	\$74.40
LC136802	1L	Amber Glass	UN1993, 3, PG II	12	\$121.80
Diphenylcarbazone–Xylene Cyanol FF, for Chloride					
APHA 4500–Cl ⁻ C				Refrigerated Item	
LC136827	125mL	Amber Glass	UN1993, 3, PG II	6	\$39.60
Diphenylthiocarbazono (Dithizone), ACS					
LC136877	10g	Amber Glass	Not Regulated	N/A	\$124.60
Diphenylthiocarbazono (Dithizone) Solution					
TAPPI T421 om–97					
LC136882	1L	Amber Glass	UN1888, 6.1, PG III	12	\$89.80
Disodium Bathocuproine, 0.1%, for Copper					
APHA 3500–Cu C					
LC136851	500mL	Poly Bottle	Not Regulated	24	\$231.20
Doctors Solution, Sodium Plumbite					
<i>Traceable to NIST</i>					
LC136902	1L	Poly Bottle	UN1824, 8, PG II	24	\$46.50
LC136904	4L	Poly Bottle	UN1824, 8, PG II	24	\$104.30
DPD Solution, for Chlorine, Chlorine Dioxide					
APHA 4500–Cl F,G, 4500–ClO ₂ D (20th Ed.)				Refrigerated Item	
LC137001	500mL	Amber Glass	Not Regulated	4	\$60.40
LC137002	1L	Amber Glass	Not Regulated	4	\$86.10
LC137004	4L	Amber Glass	Not Regulated	4	\$271.20
EDTA, Disodium, Dihydrate, ACS					
LC137507	100g	Poly Bottle	Not Regulated	N/A	\$84.70
LC137501	500g	Poly Bottle	Not Regulated	N/A	\$109.30
EDTA Magnesium – See Magnesium EDTA, Page 52.					
EDTA Decontaminating Solution, for Radium					
APHA 7500–Ra C					
LC138002	1L	Poly Bottle	Not Regulated	24	\$46.50
EDTA Reagent, 5% w/v, for Nitrogen (Ammonia), Nitrogen (Organic)					
APHA 4500–NH ₃ G, 4500–Norg B					
LC139301	500mL	Poly Bottle	Not Regulated	24	\$42.70
LC139302	1L	Poly Bottle	Not Regulated	24	\$57.70

Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2021 Price
EDTA, 50% w/v, for Nitrogen (Ammonia), Nitrogen (Organic)					
APHA 4500-NH ₃ C (18th Ed.), 4500-Norg B (18th Ed.), ASTM D1426-08 A					
LC139501	500mL	Poly Bottle	Not Regulated	24	\$79.70
LC139502	1L	Poly Bottle	Not Regulated	24	\$118.90

**EDTA Solutions Are Available in Any Size or Concentration.
Please Call or Email info@LabChem.com for a Custom Quotation.**

EDTA, 0.005M (0.01N)

TAPPI T665 cm-02

Traceable to NIST

LC138202	1L	Poly Bottle	Not Regulated	24	\$31.60
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EDTA, 0.01M (0.02N), Titrant for Water Hardness, (1mL = 1mg CaCO₃)

APHA 2340 C

Traceable to NIST

LC138501	500mL	Poly Bottle	Not Regulated	24	\$18.60
LC138502	1L	Poly Bottle	Not Regulated	24	\$24.70
LC138504	4L	Poly Bottle	Not Regulated	24	\$46.50
LC138506	10L	Cubitainer®	Not Regulated	24	\$101.10
LC138505	20L	Cubitainer®	Not Regulated	24	\$134.60

EDTA, 0.05M (0.1N)

Traceable to NIST

LC138701	500mL	Poly Bottle	Not Regulated	24	\$30.60
LC138702	1L	Poly Bottle	Not Regulated	24	\$35.60
LC138704	4L	Poly Bottle	Not Regulated	24	\$79.00
LC138705	20L	Cubitainer®	Not Regulated	24	\$231.70

EDTA, 0.0575M (0.115N)

Traceable to NIST

LC138802	1L	Poly Bottle	Not Regulated	24	\$44.70
LC138804	4L	Poly Bottle	Not Regulated	24	\$78.30
LC138806	10L	Cubitainer®	Not Regulated	24	\$190.50
LC138805	20L	Cubitainer®	Not Regulated	24	\$242.20

Looking for Safety Data Sheets (SDS) or Certificates of Analysis (CofA)? Please visit LabChem.com.

Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2021 Price
EDTA, 0.1M (0.2N)					
<i>Traceable to NIST</i>					
LC139001	500mL	Poly Bottle	Not Regulated	24	\$32.00
LC139002	1L	Poly Bottle	Not Regulated	24	\$44.60
LC139004	4L	Poly Bottle	Not Regulated	24	\$113.10
LC139006	10L	Cubitainer®	Not Regulated	24	\$193.30
LC139005	20L	Cubitainer®	Not Regulated	24	\$227.10
EDTA, 0.25M (0.5N)					
<i>Traceable to NIST</i>					
LC139101	500mL	Poly Bottle	Not Regulated	24	\$62.70
LC139102	1L	Poly Bottle	Not Regulated	24	\$87.80
Ehrlich's Reagent					
TAPPI T504 cm-97					
LC140802	1L	Amber Glass	UN1993, 3, PG II	3	\$81.00
Electrode Fill Solution, for Nitrate					
APHA 4500-NO ₃ ⁻ D					
LC178901	500mL	Poly Bottle	Not Regulated	24	\$55.30
Electrode Filling Solutions – See Potassium Chloride, Page 67.					
Electrode Storage Solution					
LC140201	500mL	Poly Bottle	Not Regulated	24	\$28.30
LC140202	1L	Poly Bottle	Not Regulated	24	\$41.10
LC140204	4L	Poly Bottle	Not Regulated	24	\$120.00
Eosin Y					
LC140258	25g	Amber Glass	Not Regulated	N/A	\$47.70
Eosin Y, 1% Alcoholic					
LC140301	500mL	Poly Bottle	UN1170, 3, PG II	24	\$50.20
LC140302	1L	Poly Bottle	UN1170, 3, PG II	24	\$86.30
Eriochrome® Black T, ACS					
LC140358	25g	Amber Glass	Not Regulated	N/A	\$46.90
Eriochrome® Black T, Dry Form in NaCl, for Hardness					
APHA 2340 C, ASTM D1126-02 (2007), D511-08 A					
LC140509	100g	Poly Bottle	Not Regulated	36	\$25.70
LC140501	500g	Poly Bottle	Not Regulated	36	\$82.20

Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2021 Price
Eriochrome® Black T in Methoxyethanol, for Hardness					
APHA 2340 C					
LC140407	125mL	Amber Glass	UN1188, 3, PG III	36	\$17.60
LC140401	500mL	Amber Glass	UN1188, 3, PG III	36	\$28.70
LC140402	1L	Amber Glass	UN1188, 3, PG III	36	\$53.60
Eriochrome® Blue-Black R					
LC140558	25g	Amber Glass	Not Regulated	N/A	\$30.00
Eriochrome® Blue-Black R, Dry Form in NaCl, for Calcium					
APHA 3500-Ca B					
LC140609	100g	Poly Bottle	Not Regulated	36	\$33.90
Ethanol-Benzene Mixture, 1:2					
TAPPI T204 cm-97, T222 cm-02					
LC141004	4L	Amber Glass	UN1993, 3, PG II	24	\$240.60
Ethyl Alcohol Solutions – See Reagent Alcohol, Page 78.					
Ethylenediamine, 70% Technical Grade					
TAPPI T254 cm-00					
<i>Traceable to NIST</i>					
LC141402	1L	Poly Bottle	UN1604, 8(3), PG II	12	\$104.00
Ethylene Glycol Monoethyl Ether					
TAPPI T552 cm-02					
LC141604	4L	Amber Glass	UN1171, 3, PG III	N/A	\$129.40
Extraction Solvent (4mL/L Hydrochloric Acid in Reagent Alcohol)					
TAPPI T408 cm-97					
LC141804	4L	Poly Bottle	UN1993, 3, PG II	12	\$67.10
Fehlings Solution "A", Copper No. 1					
<i>Traceable to NIST</i>					
LC142001	500mL	Poly Bottle	Not Regulated	24	\$19.20
LC142002	1L	Poly Bottle	Not Regulated	24	\$26.90
LC142004	4L	Poly Bottle	Not Regulated	24	\$63.30
LC142006	10L	Cubitainer®	Not Regulated	24	\$146.20
LC142005	20L	Cubitainer®	Not Regulated	24	\$205.50
Fehling's Solution "B", Alkaline No. 2					
LC142101	500mL	Poly Bottle	UN1824, 8, PG II	24	\$26.20
LC142102	1L	Poly Bottle	UN1824, 8, PG II	24	\$42.40
LC142104	4L	Poly Bottle	UN1824, 8, PG II	24	\$106.20
LC142106	10L	Cubitainer®	UN1824, 8, PG II	24	\$239.80
LC142105	20L	Cubitainer®	UN1824, 8, PG II	24	\$296.20

Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2021 Price
Ferric Alum Indicator – See Ferric Ammonium Sulfate, 8%, Page 37.					
Ferric Ammonium Sulfate, Dodecahydrate, ACS					
LC142601	500g	Poly Bottle	Not Regulated	N/A	\$85.50
Ferric Ammonium Sulfate, 8%, For Chloride (Volhard's Indicator)					
LC142701	500mL	Poly Bottle	Not Regulated	24	\$45.40
LC142702	1L	Poly Bottle	Not Regulated	24	\$89.50
Ferric Ammonium Sulfate, Saturated					
TAPPI T613-00, T624 cm-00					
LC142757	125mL	Poly Bottle	Not Regulated	24	\$22.60
LC142752	1L	Poly Bottle	Not Regulated	24	\$90.50
Ferric Chloride Hexahydrate, ACS					
LC142901	500g	Poly Bottle	UN3260, 8, PG III	N/A	\$56.30
Ferric Chloride Solutions Are Available in Any Size or Concentration. Please Call for a Quote.					
Ferric Chloride, 0.025% w/v as Hexahydrate, for BOD					
APHA 5210 B					
LC143001	500mL	Poly Bottle	Not Regulated	24	\$27.60
LC143002	1L	Poly Bottle	Not Regulated	24	\$38.60
Ferric Chloride, 10% w/v as Hexahydrate					
<i>Traceable to NIST</i>					
LC143601	500mL	Poly Bottle	UN3264, 8, PG II	24	\$33.80
Ferric Chloride, 40% w/v					
<i>Traceable to NIST</i>					
LC143702	1L	Poly Bottle	UN3264, 8, PG II	36	\$116.30
LC143704	4L	Poly Bottle	UN3264, 8, PG II	36	\$367.10
Ferric Chloride, Oxidizing Solution, for Cyanide					
APHA 4500-CN ⁻ B					
LC143301	500mL	Poly Bottle	Not Regulated	24	\$35.30
Ferric Chloride Solution (100g in 40mL Water), for Sulfide					
APHA 4500-S ²⁻ D					
LC143807	125mL	Poly Bottle	UN2582, 8, PG III	24	\$51.20
LC143801	500mL	Poly Bottle	UN2582, 8, PG III	24	\$154.10
Ferric Nitrate, Nonahydrate, ACS					
LC144101	500g	Poly Bottle	UN1466, 5.1, PG III	N/A	\$86.90

Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2021 Price
Ferric Nitrate Solution, for Chloride					
APHA 4500-Cl ⁻ E,G					
LC144201	500mL	Amber Poly	UN3264, 8, PG II	24	\$128.50
LC144202	1L	Amber Poly	UN3264, 8, PG II	24	\$191.50
Ferrioxin Oxidation-Reduction Indicator					
APHA 5220 B,C,D					
LC144507	125mL	Amber Glass	Not Regulated	36	\$40.60
LC144501	500mL	Amber Glass	Not Regulated	36	\$124.30
Ferrous Ammonium Sulfate, Hexahydrate, ACS					
LC144601	500g	Poly Bottle	Not Regulated	N/A	\$126.70
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-ClO ₂ D (20th Ed.)					
<i>Traceable to NIST</i>					
LC145501	500mL	Amber Glass	Not Regulated	6	\$33.10
LC145502	1L	Amber Glass	Not Regulated	6	\$43.00
LC145504	4L	Amber Glass	Not Regulated	6	\$99.20
Ferrous Ammonium Sulfate, 0.05M (0.05N), for Nitrogen (Nitrite)					
APHA 4500-NO ₂ ⁻ B					
<i>Traceable to NIST</i>					
LC144802	1L	Amber Glass	UN3264, 8, PG II	3	\$63.60
Ferrous Ammonium Sulfate, 0.1N (0.1M)					
APHA 5220 B,C,D					
<i>Traceable to NIST</i>					
LC145002	1L	Amber Glass	UN3264, 8, PG II	12	\$44.90
LC145004	4L	Amber Glass	UN3264, 8, PG II	12	\$116.10
LC145005	20L	Cubitainer®	UN3264, 8, PG II	12	\$332.00
Ferrous Ammonium Sulfate, 0.25N (0.25M)					
APHA 5220 B,C,D					
<i>Traceable to NIST</i>					
LC145302	1L	Amber Glass	UN3264, 8, PG II	12	\$56.10
LC145304	4L	Amber Glass	UN3264, 8, PG II	12	\$125.80
Ferrous Ammonium Sulfate, 0.4N (0.4M)					
<i>Traceable to NIST</i>					
LC145404	4L	Amber Glass	UN3264, 8, PG II	12	\$198.10

Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2021 Price
Ferrous Ammonium Sulfate Solution					
TAPPI T429 cm-01					
LC145452	1L	Amber Glass	UN3264, 8, PG II	12	\$77.60
Fluoride Buffer, APHA – See TISAB II, Page 106.					
Fluoride Buffer, ASTM – See Buffer Solution for Fluoride, Page 22.					
Fluoride Standard, 0.5 ppm (1 mL = 0.0005mg F⁻)					
<i>Traceable to NIST</i>					
LC145551	500mL	Poly Bottle	Not Regulated	12	\$33.10
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	\$35.40
LC145602	1L	Poly Bottle	Not Regulated	12	\$53.60
Fluoride Standard, 5 ppm (1 mL = 0.005mg F⁻)					
<i>Traceable to NIST</i>					
LC145651	500mL	Poly Bottle	Not Regulated	12	\$39.70
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	\$42.00
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	\$41.20
Fluoride Standard, 1000 ppm (1 mL = 1mg F⁻)					
APHA 4500-F ⁻ C					
<i>Traceable to NIST</i>					
LC146001	500mL	Poly Bottle	Not Regulated	24	\$46.50
LC146002	1L	Poly Bottle	Not Regulated	24	\$65.40
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	\$45.00
LC146102	1L	Poly Bottle	Not Regulated	12	\$70.80

Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2021 Price
Fluoride Standard, 1 ppm F⁻ Premixed with Equal Volume of TISAB II					
<i>Traceable to NIST</i>					
LC146201	500mL	Poly Bottle	Not Regulated	12	\$51.40
LC146202	1L	Poly Bottle	Not Regulated	12	\$63.10
LC146204	4L	Poly Bottle	Not Regulated	12	\$174.30
Fluoride Standard, 2 ppm F⁻ Premixed with Equal Volume of TISAB II					
<i>Traceable to NIST</i>					
LC146301	500mL	Poly Bottle	Not Regulated	12	\$49.20
LC146302	1L	Poly Bottle	Not Regulated	12	\$70.90
LC146304	4L	Poly Bottle	Not Regulated	12	\$169.50
Fluoride Standard, 5 ppm F⁻ Premixed with Equal Volume of TISAB II					
<i>Traceable to NIST</i>					
LC146352	1L	Poly Bottle	Not Regulated	12	\$63.70
LC146354	4L	Poly Bottle	Not Regulated	12	\$177.50
Fluoride Standard, 10 ppm F⁻ Premixed with Equal Volume of TISAB II					
<i>Traceable to NIST</i>					
LC146401	500mL	Poly Bottle	Not Regulated	12	\$55.40
LC146402	1L	Poly Bottle	Not Regulated	12	\$98.50
LC146404	4L	Poly Bottle	Not Regulated	12	\$243.50
Formaldehyde, 37% w/w, ACS					
LC146501	500mL	Poly Bottle	UN1198, 3(8), PG III	N/A	\$33.30
LC146502	1L	Poly Bottle	UN1198, 3(8), PG III	N/A	\$47.90
LC146504	4L	Poly Bottle	UN1198, 3(8), PG III	N/A	\$61.90
LC146506	10L	Cubitainer®	UN1198, 3(8), PG III	N/A	\$137.40
LC146505	20L	Cubitainer®	UN1198, 3(8), PG III	N/A	\$173.80
Formaldehyde, 10% v/v, Buffered (Formalin)					
<i>Traceable to NIST</i>					
LC146702	1L	Poly Bottle	Not Regulated	24	\$29.50
LC146704	4L	Poly Bottle	Not Regulated	24	\$47.70
LC146706	10L	Cubitainer®	Not Regulated	24	\$115.10
LC146705	20L	Cubitainer®	Not Regulated	24	\$159.10
Formaldehyde, 10% v/v, Unbuffered (Formalin)					
<i>Traceable to NIST</i>					
LC146602	1L	Poly Bottle	Not Regulated	24	\$39.20
LC146604	4L	Poly Bottle	Not Regulated	24	\$61.10
LC146606	10L	Cubitainer®	Not Regulated	24	\$122.40
LC146605	20L	Cubitainer®	Not Regulated	24	\$151.70

Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2021 Price
Formaldehyde–Sodium Carbonate Solution					
TAPPI T622 cm–01 <i>Traceable to NIST</i>					
LC146801	500mL	Poly Bottle	UN3334, 9,	24	\$33.40
Gentian Violet					
LC147908	25g	Amber Glass	Not Regulated	N/A	\$50.20
Gentian Violet, 1% Alcoholic					
LC148001	500mL	Poly Bottle	UN1170, 3, PG II	36	\$35.50
Gentian Violet, 1% Aqueous					
LC148107	125mL	Poly Bottle	Not Regulated	36	\$17.50
LC148101	500mL	Poly Bottle	Not Regulated	36	\$35.50
Gentian Violet, 2% Methanolic					
LC148307	125mL	Poly Bottle	UN1993, 3, PG II	24	\$22.10
Giemsa Stain					
LC148357	10g	Amber Glass	Not Regulated	N/A	\$137.10
Giemsa Stain Solution					
LC148407	125mL	Poly Bottle	UN1993, 3, PG III	24	\$35.00
LC148401	500mL	Poly Bottle	UN1993, 3, PG III	24	\$80.90
Glucose–Glutamic Acid, for BOD (Sterilized)					
APHA 5210 B					
LC148457	125mL	Amber Glass	Not Regulated	24	\$23.30
LC148451	500mL	Amber Glass	Not Regulated	24	\$43.10
LC148452	1L	Amber Glass	Not Regulated	24	\$61.70
LC14845246	24X6mL	Vial	Not Regulated	24	\$82.90
LC14845486	48X6mL	Vial	Not Regulated	24	\$151.50
Glycerin, Reagent					
LC148501	500mL	Poly Bottle	Not Regulated	N/A	\$45.40
LC148502	1L	Poly Bottle	Not Regulated	N/A	\$74.10
Glycerin Solution 50% V/V (1+1)					
LC148701	500mL	Poly Bottle	Not Regulated	36	\$41.70
LC148702	1L	Poly Bottle	Not Regulated	36	\$54.70
Glycine, ACS					
LC148751	500g	Poly Bottle	Not Regulated	N/A	\$66.30
Glycine, 7% w/v, for Ozone					
APHA 4500–O ₃ B					
LC148787	125mL	Poly Bottle	Not Regulated	12	\$41.60

Refrigerated Item

Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2021 Price
Glycine, 10% w/v, for Chlorine Dioxide					
APHA 4500-ClO ₂ D (20th Ed.)				Refrigerated Item	
LC148801	500mL	Poly Bottle	Not Regulated	12	\$37.10
LC148802	1L	Poly Bottle	Not Regulated	12	\$43.90

Glycine, 20% w/v, for Chlorine, Chlorine Dioxide					
APHA 4500-Cl F, 4500-ClO ₂ D (20th Ed.)				Refrigerated Item	
LC148851	500mL	Poly Bottle	Not Regulated	24	\$50.20

**Prices Listed for Gold Salts and Solutions Are Subject to Change.
Please Call for Current Prices.**

Gold Chloride, Trihydrate, ACS					
				Refrigerated Item	
LC148937	1g	Vial	Not Regulated	N/A	\$178.80

Gold AA Standard, 1000 ppm (1 mL = 1 mg Au)					
<i>Traceable to NIST</i>					
LC148907	125mL	Amber Glass	UN3264, 8, PG II	18	\$78.40
LC148901	500mL	Amber Glass	UN3264, 8, PG II	18	\$205.30

Gold Chloride, 1% w/v					
LC148957	125mL	Amber Glass	Not Regulated	24	\$537.30

Grams Iodine Solution					
<i>Traceable to NIST</i>					
LC149001	500mL	Amber Glass	Not Regulated	18	\$30.60
LC149002	1L	Amber Glass	Not Regulated	18	\$51.20
LC149004	4L	Amber Glass	Not Regulated	18	\$103.70

Guaic Tincture, 1:60 in Alcohol, for Blood Detection					
LC149151	500mL	Poly Bottle	UN1170, 3, PG II	24	\$81.70

Hexanes, ACS					
LC149201	500mL	Amber Glass	UN1208, 3, PG II	N/A	\$82.00
LC149202	1L	Amber Glass	UN1208, 3, PG II	N/A	\$137.10
LC149204	4L	Amber Glass	UN1208, 3, PG II	N/A	\$233.70

Hydrazine Standard, 1000 ppm (1 mL = 1 mg N₂H₄)					
<i>Traceable to NIST</i>					
LC149301	500mL	Poly Bottle	UN1789, 8, PG III	6	\$43.70

Looking for Safety Data Sheets (SDS) or Certificates of Analysis (CofA)? Please visit LabChem.com.

Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2021 Price
Hydrochloric Acid, ACS					
LC149501	500mL	Amber Glass	UN1789, 8, PG II	N/A	\$35.50
LC149502	1L	Amber Glass	UN1789, 8, PG II	N/A	\$46.50
LC149503	2.5L	Clear Glass	UN1789, 8, PG II	N/A	\$68.60
LC149503S	2.5L	PVC Coated	UN1789, 8, PG II	N/A	\$77.00
LC1495036	6X2.5L	Clear Glass	UN1789, 8, PG II	N/A	\$227.60
LC1495036S	6X2.5L	PVC Coated	UN1789, 8, PG II	N/A	\$283.90

Hydrochloric Acid Solutions Are Available in Any Size or Concentration. Please Call or Email info@LabChem.com for a Custom Quotation.

Hydrochloric Acid, 0.5% v/v

TAPPI T259 sp-98

Traceable to NIST

LC149704	4L	Poly Bottle	Not Regulated	24	\$52.90
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Hydrochloric Acid, 1% v/v (1+99)

Traceable to NIST

LC150001	500mL	Poly Bottle	Not Regulated	24	\$19.60
LC150002	1L	Poly Bottle	Not Regulated	24	\$26.20
LC150004	4L	Poly Bottle	Not Regulated	24	\$55.00

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

Traceable to NIST

LC150501	500mL	Poly Bottle	UN1789, 8, PG II	24	\$20.80
LC150502	1L	Poly Bottle	UN1789, 8, PG II	24	\$30.70
LC150504	4L	Poly Bottle	UN1789, 8, PG II	24	\$46.70

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

Traceable to NIST

LC150701	500mL	Poly Bottle	UN1789, 8, PG II	36	\$20.60
LC150702	1L	Poly Bottle	UN1789, 8, PG II	36	\$27.30
LC150704	4L	Poly Bottle	UN1789, 8, PG II	36	\$56.90
LC150706	10L	Cubitainer®	UN1789, 8, PG II	36	\$193.50

Hydrochloric Acid, 20% v/v (1+4)

Traceable to NIST

LC150901	500mL	Poly Bottle	UN1789, 8, PG II	36	\$29.50
LC150902	1L	Poly Bottle	UN1789, 8, PG II	36	\$42.90
LC150904	4L	Poly Bottle	UN1789, 8, PG II	36	\$61.30

Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2021 Price
Hydrochloric Acid, 25% v/v (1+3)					
<i>Traceable to NIST</i>					
LC151001	500mL	Poly Bottle	UN1789, 8, PG II	36	\$35.50
LC151002	1L	Poly Bottle	UN1789, 8, PG II	36	\$48.20
LC151004	4L	Poly Bottle	UN1789, 8, PG II	36	\$116.40
LC151005	20L	Cubitainer®	UN1789, 8, PG II	36	\$214.10
Hydrochloric Acid, 33% v/v (1+2) with Methyl Orange					
<i>Traceable to NIST</i>					
LC151204	4L	Poly Bottle	UN1789, 8, PG II	24	\$111.10
Hydrochloric Acid, 50% v/v (1+1)					
<i>Traceable to NIST</i>					
LC151301	500mL	Amber Glass	UN1789, 8, PG II	36	\$35.40
LC151302	1L	Amber Glass	UN1789, 8, PG II	36	\$43.40
LC151303	2.5L	Clear Glass	UN1789, 8, PG II	36	\$63.10
LC151304	4L	Amber Glass	UN1789, 8, PG II	36	\$108.90
LC151306	10L	Cubitainer®	UN1789, 8, PG II	36	\$216.60
LC151305	20L	Poly Drum	UN1789, 8, PG II	36	\$307.10
Hydrochloric Acid, 0.01N (0.01M)					
<i>Traceable to NIST</i>					
LC151502	1L	Poly Bottle	Not Regulated	24	\$23.50
LC151504	4L	Poly Bottle	Not Regulated	24	\$53.70
Hydrochloric Acid, 0.02N (0.02M)					
<i>Traceable to NIST</i>					
LC151702	1L	Poly Bottle	Not Regulated	24	\$24.50
LC151704	4L	Poly Bottle	Not Regulated	24	\$53.80
LC151705	20L	Cubitainer®	Not Regulated	24	\$150.60
Hydrochloric Acid, 0.05N (0.05M)					
<i>Traceable to NIST</i>					
LC152002	1L	Poly Bottle	Not Regulated	24	\$24.50
LC152004	4L	Poly Bottle	Not Regulated	24	\$54.70
LC152005	20L	Cubitainer®	Not Regulated	24	\$133.70
Hydrochloric Acid, 0.1N (0.1M)					
<i>Traceable to NIST</i>					
LC152201	500mL	Poly Bottle	Not Regulated	24	\$20.90
LC152202	1L	Poly Bottle	Not Regulated	24	\$22.10
LC152204	4L	Poly Bottle	Not Regulated	24	\$45.70
LC152206	10L	Cubitainer®	Not Regulated	24	\$102.70
LC152205	20L	Cubitainer®	Not Regulated	24	\$132.20

Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2021 Price
Hydrochloric Acid, 0.1N (0.1M) in Isopropanol					
<i>Traceable to NIST</i>					
LC154002	1L	Poly Bottle	UN1993, 3, PG II	24	\$47.90
LC154004	4L	Poly Bottle	UN1993, 3, PG II	24	\$122.20
Hydrochloric Acid, 0.2N (0.2M)					
<i>Traceable to NIST</i>					
LC152402	1L	Poly Bottle	UN1789, 8, PG III	24	\$23.60
LC152404	4L	Poly Bottle	UN1789, 8, PG III	24	\$51.20
LC152405	20L	Cubitainer®	UN1789, 8, PG III	24	\$148.60
Hydrochloric Acid, 0.2N (0.2M) in Isopropanol					
<i>Traceable to NIST</i>					
LC154102	1L	Poly Bottle	UN2924, 3(8), PG II	24	\$44.70
LC154104	4L	Poly Bottle	UN2924, 3(8), PG II	24	\$108.30
LC154105	20L	Cubitainer®	UN2924, 3(8), PG II	24	\$301.00
Hydrochloric Acid, 0.25N (0.25M)					
<i>Traceable to NIST</i>					
LC152502	1L	Poly Bottle	UN1789, 8, PG III	24	\$24.00
LC152504	4L	Poly Bottle	UN1789, 8, PG III	24	\$52.80
LC152506	10L	Cubitainer®	UN1789, 8, PG III	24	\$113.60
LC152505	20L	Cubitainer®	UN1789, 8, PG III	24	\$149.90
Hydrochloric Acid, 0.5N (0.5M)					
<i>Traceable to NIST</i>					
LC152801	500mL	Poly Bottle	UN1789, 8, PG II	24	\$20.00
LC152802	1L	Poly Bottle	UN1789, 8, PG II	24	\$22.10
LC152804	4L	Poly Bottle	UN1789, 8, PG II	24	\$47.50
LC152806	10L	Cubitainer®	UN1789, 8, PG II	24	\$107.30
LC152805	20L	Cubitainer®	UN1789, 8, PG II	24	\$122.30
Hydrochloric Acid, 0.5165N (0.5165M)					
<i>Traceable to NIST</i>					
LC152904	4L	Poly Bottle	UN1789, 8, PG II	24	\$47.70
LC152905	20L	Cubitainer®	UN1789, 8, PG II	24	\$136.90
Hydrochloric Acid, 1.0N (1.0M)					
<i>Traceable to NIST</i>					
LC153001	500mL	Poly Bottle	UN1789, 8, PG II	24	\$20.00
LC153002	1L	Poly Bottle	UN1789, 8, PG II	24	\$22.10
LC153004	4L	Poly Bottle	UN1789, 8, PG II	24	\$45.80
LC153006	10L	Cubitainer®	UN1789, 8, PG II	24	\$102.30
LC153005	20L	Cubitainer®	UN1789, 8, PG II	24	\$132.00

Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2021 Price
Hydrochloric Acid, 2.0N (2.0M)					
<i>Traceable to NIST</i>					
LC153201	500mL	Poly Bottle	UN1789, 8, PG II	24	\$30.70
LC153202	1L	Poly Bottle	UN1789, 8, PG II	24	\$36.20
LC153204	4L	Poly Bottle	UN1789, 8, PG II	24	\$91.40
LC153205	20L	Cubitainer®	UN1789, 8, PG II	24	\$228.10
Hydrochloric Acid, 3.0N (3.0M)					
<i>Traceable to NIST</i>					
LC153301	500mL	Poly Bottle	UN1789, 8, PG II	36	\$25.20
LC153302	1L	Poly Bottle	UN1789, 8, PG II	36	\$30.30
LC153304	4L	Poly Bottle	UN1789, 8, PG II	36	\$90.80
LC153305	20L	Cubitainer®	UN1789, 8, PG II	36	\$250.60
Hydrochloric Acid, 3.0N (3.0M), Electronic Grade					
<i>Traceable to NIST</i>					
LC153404	4L	Poly Bottle	UN1789, 8, PG II	24	\$170.30
Hydrochloric Acid, 3.85N (3.85M)					
TAPPI T223 cm-01					
<i>Traceable to NIST</i>					
LC153452	1L	Poly Bottle	UN1789, 8, PG II	24	\$35.60
LC153454	4L	Poly Bottle	UN1789, 8, PG II	24	\$101.60
Hydrochloric Acid, 5.0N (5.0M)					
<i>Traceable to NIST</i>					
LC153601	500mL	Amber Glass	UN1789, 8, PG II	24	\$27.10
LC153602	1L	Amber Glass	UN1789, 8, PG II	24	\$33.20
LC153603	2.5L	Clear Glass	UN1789, 8, PG II	24	\$61.10
LC153604	4L	Amber Glass	UN1789, 8, PG II	24	\$115.10
Hydrochloric Acid, 6.0N (6.0M)					
<i>Traceable to NIST</i>					
LC153702	1L	Amber Glass	UN1789, 8, PG II	36	\$34.20
LC153703	2.5L	Clear Glass	UN1789, 8, PG II	36	\$61.50
LC153706	10L	Cubitainer®	UN1789, 8, PG II	36	\$198.20
LC153705	20L	Poly Drum	UN1789, 8, PG II	36	\$294.00
Hydrochloric Acid, 6.25N (6.25M)					
<i>Traceable to NIST</i>					
LC153802	1L	Amber Glass	UN1789, 8, PG II	24	\$42.80
LC153803	2.5L	Clear Glass	UN1789, 8, PG II	24	\$76.20

Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2021 Price
Larger Shipments of Hydrogen Peroxide Must Ship on Plastic Pallets. Additional Shipping Charges May Apply.					
Hydrogen Peroxide, 2% w/w					
TAPPI T665 cm-02 <i>Traceable to NIST</i>					
LC154402	1L	Poly Bottle	Not Regulated	24	\$53.40
Hydrogen Peroxide, 3% w/w					
<i>Traceable to NIST</i>					
LC154501	500mL	Poly Bottle	Not Regulated	24	\$28.00
LC154502	1L	Poly Bottle	Not Regulated	24	\$52.80
LC154504	4L	Poly Bottle	Not Regulated	24	\$91.30
Hydrogen Peroxide, 30% w/w					
<i>Traceable to NIST</i>					
LC154301	500mL	Poly Bottle	UN2014, 5.1(8), PG II	24	\$95.50
LC154302	1L	Poly Bottle	UN2014, 5.1(8), PG II	24	\$138.20
LC154304	4L	Poly Bottle	UN2014, 5.1(8), PG II	24	\$282.00
Hydrogen Sulfide Water					
<i>Traceable to NIST</i>					
LC154701	500mL	Amber Glass	Not Regulated	12	\$30.00
LC154702	1L	Amber Glass	Not Regulated	12	\$39.00
Hydroquinone					
LC154901	500g	Amber Glass	UN3077, 9, PG III	N/A	\$82.40
Hydroquinone, 1% w/v, for Chloride					
ASTM D512-12 A					
LC155001	500mL	Amber Glass	Not Regulated	6	\$56.30
Hydroxylamine-EDTA, for Selenium					
APHA 3500-Se C					
LC155101	500mL	Poly Bottle	Not Regulated	24	\$50.20
Hydroxylamine Hydrochloride, ACS					
LC155151	500g	Poly Bottle	UN2923, 8(6.1), PG III	N/A	\$160.30
Hydroxylamine Hydrochloride, 3% w/v, for Calcium, Magnesium					
ASTM D511-09 A					
LC155201	500mL	Poly Bottle	Not Regulated	24	\$46.50
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	\$50.90
LC155302	1L	Poly Bottle	Not Regulated	24	\$80.30

Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2021 Price
Hydroxylamine Hydrochloride, 20% w/v, for Cadmium					
APHA 3500–Cd D (19th Ed.)					
LC155401	500mL	Poly Bottle	Not Regulated	24	\$84.40
Hydroxylamine Hydrochloride, 50% w/v, for Mercury					
APHA 3500–Hg C (19th Ed.)					
LC155507	125mL	Poly Bottle	UN3287, 6.1, PG III	24	\$53.20
LC155501	500mL	Poly Bottle	UN3287, 6.1, PG III	24	\$157.40
Hydroxynaphthol Blue, ACS, Dry in NaCl, Calcium and Hardness Indicator					
LC155709	25g	Poly Bottle	Not Regulated	24	\$38.60
LC155707	100g	Poly Bottle	Not Regulated	24	\$84.60
8-Hydroxyquinoline, ACS					
LC155759	100g	Amber Glass	Not Regulated	N/A	\$91.80
8-Hydroxyquinoline Solution					
TAPPI T624 cm–00					
LC155801	500mL	Amber Glass	Not Regulated	24	\$60.00
Indicator Solution, for Cyanide					
APHA 4500–CN ⁻ D					
LC155857	125mL	Amber Glass	UN1090, 3, PG II	24	\$44.60
Indigo Stock Solution, for Ozone					
APHA 4500–O ₃ B					
LC155871	500mL	Amber Poly	Not Regulated	4	\$46.90
Iodate Titrant – See Potassium Iodate, Page 73.					
Iodine, ACS					
LC155901	500g	Amber Glass	UN3495, 8(6.1), PG III	DEA Registration Required N/A	\$593.30
Iodine, 0.01N (0.005M)					
<i>Traceable to NIST</i>					
LC156001	500mL	Amber Glass	Not Regulated	18	\$32.00
LC156002	1L	Amber Glass	Not Regulated	18	\$38.70
LC156004	4L	Amber Glass	Not Regulated	18	\$93.90
Iodine, 0.0156N (0.0078M)					
<i>Traceable to NIST</i>					
LC156022	1L	Amber Glass	Not Regulated	18	\$42.10
LC156024	4L	Amber Glass	Not Regulated	18	\$86.40

Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2021 Price
Iodine, 0.0167N (0.0084M)					
<i>Traceable to NIST</i>					
LC156052	1L	Amber Glass	Not Regulated	18	\$42.10
LC156054	4L	Amber Glass	Not Regulated	18	\$89.20
Iodine, 0.02N (0.01M)					
<i>Traceable to NIST</i>					
LC156102	1L	Amber Glass	Not Regulated	18	\$27.60
LC156104	4L	Amber Glass	Not Regulated	18	\$91.70
Iodine, 0.025N (0.0125M)					
APHA 4500-S ²⁻ F					
<i>Traceable to NIST</i>					
LC156201	500mL	Amber Glass	Not Regulated	18	\$22.90
LC156202	1L	Amber Glass	Not Regulated	18	\$32.80
LC156204	4L	Amber Glass	Not Regulated	18	\$85.40
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	\$36.10
LC156304	4L	Amber Glass	Not Regulated	18	\$86.70
Iodine, 0.1N (0.05M)					
<i>Traceable to NIST</i>					
LC156601	500mL	Amber Glass	Not Regulated	18	\$27.30
LC156602	1L	Amber Glass	Not Regulated	18	\$37.10
LC156604	4L	Amber Glass	Not Regulated	18	\$140.70
Iodine, 0.2N (0.1M, 2.5%)					
<i>Traceable to NIST</i>				DEA Registration Required	
LC156624	4L	Amber Glass	Not Regulated	18	\$194.70
Iodine, 1.0N (0.5M, 12.7%)					
<i>Traceable to NIST</i>				DEA Registration Required	
LC156611	500mL	Amber Glass	Not Regulated	18	\$82.00
LC156612	1L	Amber Glass	Not Regulated	18	\$143.10
LC156614	4L	Amber Glass	Not Regulated	18	\$424.60
Iodine, D'Antoni					
<i>Traceable to NIST</i>					
LC156742	1L	Amber Glass	Not Regulated	24	\$82.40

Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2021 Price
Iodine, Lugol's, 5%					
<i>Traceable to NIST</i>				DEA Registration Required	
LC156757	125mL	Amber Glass	Not Regulated	24	\$19.90
LC156751	500mL	Amber Glass	Not Regulated	24	\$37.60
LC156752	1L	Amber Glass	Not Regulated	24	\$49.40
Iron AA Standard, 1000 ppm (1 mL = 1 mg Fe)					
<i>Traceable to NIST</i>					
LC157007	125mL	Poly Bottle	UN3264, 8, PG II	24	\$28.10
LC157001	500mL	Poly Bottle	UN3264, 8, PG II	24	\$52.70
Iron Standard Solution, 50 ppm (50µg/mL)					
TAPPI T434 cm-01					
LC157301	500mL	Poly Bottle	Not Regulated	3	\$74.50
Iron Standard, 200 ppm (1 mL = 0.2mg Fe)					
<i>Traceable to NIST</i>					
LC157207	125mL	Poly Bottle	UN3264, 8, PG II	24	\$29.50
LC157201	500mL	Poly Bottle	UN3264, 8, PG II	24	\$59.90
Isopropyl Alcohol, ACS (2-Propanol)					
LC157501	500mL	Amber Glass	UN1219, 3, PG II	N/A	\$49.20
LC157502	1L	Amber Glass	UN1219, 3, PG II	N/A	\$59.00
LC157504	4L	Amber Glass	UN1219, 3, PG II	N/A	\$107.70
LC1575044	4X4L	Amber Glass	UN1219, 3, PG II	N/A	\$309.70
LC157505	20L	Cubitainer®	UN1219, 3, PG II	N/A	\$298.70
Isopropyl Alcohol, 50% v/v (Made from ACS Grade)					
LC157554	4L	Poly Bottle	UN1219, 3, PG II	24	\$72.00
LC157555	20L	Cubitainer®	UN1219, 3, PG II	24	\$225.30
Isopropyl Alcohol, 70% v/v (Made from ACS Grade)					
LC157601	500mL	Poly Bottle	UN1219, 3, PG II	24	\$29.60
LC157602	1L	Poly Bottle	UN1219, 3,	24	\$39.30
LC157604	4L	Poly Bottle	UN1219, 3, PG II	24	\$80.00
LC157606	10L	Cubitainer®	UN1219, 3, PG II	24	\$198.50
LC157605	20L	Cubitainer®	UN1219, 3, PG II	24	\$273.60
LC15760200	200L	Poly Drum	UN1219, 3, PG II	24	\$1,764.00
Kerosene, Odorless					
LC158502	1L	Amber Glass	Not Regulated	N/A	\$42.40
LC158504	4L	Amber Glass	Not Regulated	N/A	\$103.90

Kjeldahl Indicators – See Boric Acid Solutions, Page 14–15.

Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2021 Price
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Kjeldahl Reagents Can Be Made to Specification.

Please Call or Email info@labchem.com for a Custom Quotation.

Lactic Acid, 85% w/w, ACS

LC159501	500mL	Amber Glass	UN3265, 8, PG III	N/A	\$70.50
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Lactic Acid, 10% v/v

Traceable to NIST

LC160001	500mL	Poly Bottle	Not Regulated	24	\$40.50
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Lactic Acid, 1.0N (1.0M)

Traceable to NIST

LC160201	500mL	Poly Bottle	Not Regulated	24	\$50.20
LC160202	1L	Poly Bottle	Not Regulated	24	\$74.50

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

Lanthanum Oxide

LC160409	100g	Poly Bottle	Not Regulated	N/A	\$39.10
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Lanthanum Solution, for Metals

APHA 3111 B

LC160501	500mL	Poly Bottle	UN1789, 8, PG II	24	\$83.20
LC160502	1L	Poly Bottle	UN1789, 8, PG II	24	\$146.80

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

Traceable to NIST

LC161307	125mL	Poly Bottle	UN3264, 8, PG II	24	\$31.20
LC161301	500mL	Poly Bottle	UN3264, 8, PG II	24	\$55.00

Lead Acetate, Trihydrate, ACS

LC160801	500g	Amber Glass	UN1616, 6.1, PG III	N/A	\$100.00
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Lead Acetate, 10% w/v, for Arsenic

APHA 3500-As B

LC161001	500mL	Poly Bottle	Not Regulated	24	\$52.30
LC161002	1L	Poly Bottle	Not Regulated	24	\$79.20

Light's Solution (ORP Standard, 475 mV)

LC161401	500mL	Amber Glass	UN3264, 8, PG II	12	\$0.00
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Other ORP Standards Are Available – See Pages 60 and 110.

Lime Water, Saturated

TAPPI T421 om-97

LC161602	1L	Poly Bottle	UN3266, 8, PG II	12	\$28.00
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Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2021 Price
Linear Alkylbenzene Sulfonate (LAS Solution), 1 mL = 1 mg					
				Refrigerated Item	
LC161507	125mL	Poly Bottle	Not Regulated	12	\$43.50
Lithium AA Standard, 1000 ppm (1 mL = 1 mg Li)					
<i>Traceable to NIST</i>					
LC161807	125mL	Poly Bottle	UN2031, 8, PG II	24	\$30.60
LC161801	500mL	Poly Bottle	UN2031, 8, PG II	24	\$53.70
Lithium Nitrate, Reagent					
LC162501	500g	Poly Bottle	UN2722, 5.1, PG III	N/A	\$164.10
Magnesium AA Standard, 1000 ppm (1 mL = 1 mg Mg)					
<i>Traceable to NIST</i>					
LC164807	125mL	Poly Bottle	UN3264, 8, PG II	24	\$28.70
LC164801	500mL	Poly Bottle	UN3264, 8, PG II	24	\$52.70
Magnesium Chloride, Hexahydrate, ACS					
LC163801	500g	Poly Bottle	Not Regulated	N/A	\$78.30
Magnesium Chloride Reagent, 51% w/v, for Total Cyanide					
APHA 4500-CN ⁻ C					
LC163901	500mL	Poly Bottle	Not Regulated	24	\$73.60
LC163902	1L	Poly Bottle	Not Regulated	24	\$106.90
LC163904	4L	Poly Bottle	Not Regulated	24	\$333.00
Magnesium EDTA, 0.02% w/v, for Hardness					
EPA					
LC164501	500mL	Poly Bottle	Not Regulated	24	\$36.30
LC164502	1L	Poly Bottle	Not Regulated	24	\$52.70
Magnesium Reagent					
TAPPI T421 om-97					
LC164707	125mL	Poly Bottle	UN1824, 8, PG III	12	\$39.20
Magnesium Sulfate, Heptahydrate, ACS					
LC164901	500g	Poly Bottle	Not Regulated	N/A	\$87.30
Magnesium Sulfate, 2.25% w/v, for BOD					
APHA 5210 B					
LC165001	500mL	Poly Bottle	Not Regulated	24	\$19.70
LC165002	1L	Poly Bottle	Not Regulated	24	\$30.00
Malonic Acid Reagent, for Ozone					
APHA 4500-O ₃ B					
LC165207	125mL	Poly Bottle	Not Regulated	24	\$44.90

Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2021 Price
Manganese AA Standard, 1000 ppm (1mL = 1mg Mn)					
<i>Traceable to NIST</i>					
LC165507	125mL	Poly Bottle	Not Regulated	24	\$28.50
LC165501	500mL	Poly Bottle	Not Regulated	24	\$53.60
Manganous Sulfate, Monohydrate, ACS					
LC165551	500g	Poly Bottle	Not Regulated	N/A	\$121.90
Manganous Sulfate Solution, for Dissolved Oxygen					
APHA 4500-O C,D,E,F, ASTM D888-05 A					
LC165701	500mL	Poly Bottle	Not Regulated	24	\$44.30
LC165702	1L	Poly Bottle	Not Regulated	24	\$66.40
LC165704	4L	Poly Bottle	Not Regulated	24	\$182.40
MBTH Indicator, 0.05% Aqueous, for Cyanide					
APHA 4500-CN ⁻ B					
LC163307	125mL	Poly Bottle	Not Regulated	6	\$30.60
LC163301	500mL	Poly Bottle	Not Regulated	6	\$42.80
Mcllvaine's Buffer, pH 3.2					
<i>Traceable to NIST</i>					
LC163004	4L	Poly Bottle	Not Regulated	24	\$48.70
LC163006	10L	Cubitainer®	Not Regulated	24	\$130.30
LC163005	20L	Cubitainer®	Not Regulated	24	\$156.20
Mercuric Chloride, ACS					
LC165909	100g	Poly Bottle	UN1624, 6.1, PG II	N/A	\$125.10
Mercuric Chloride, 5% w/v					
LC166001	500mL	Poly Bottle	UN2024, 6.1, PG II	24	\$67.80
LC166002	1L	Poly Bottle	UN2024, 6.1, PG II	24	\$119.30
Mercuric Chloride, 0.1M (0.2N)					
<i>Traceable to NIST</i>					
LC166401	500mL	Poly Bottle	UN2024, 6.1, PG II	24	\$58.30
Mercuric Chloride, Saturated					
TAPPI T604 om-00					
LC166201	500mL	Poly Bottle	UN2024, 6.1, PG II	24	\$72.10
Mercuric Nitrate, Monohydrate, ACS					
LC166459	100g	Poly Bottle	UN1625, 6.1, PG II	N/A	\$176.00
Mercuric Nitrate, 0.35g/L, for Vanadium					
APHA 3500-V B					
LC166801	500mL	Amber Glass	Not Regulated	24	\$41.80

Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2021 Price
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	\$29.30
LC166502	1L	Amber Glass	Not Regulated	12	\$41.80
LC166504	4L	Amber Glass	Not Regulated	12	\$125.40
Mercuric Nitrate, 0.0171N (0.0086M) (1mL = 1mg NaCl)					
<i>Traceable to NIST</i>					
LC166552	1L	Amber Glass	Not Regulated	12	\$48.60
LC166554	4L	Amber Glass	Not Regulated	12	\$123.30
Mercuric Nitrate, 0.025N (0.013M), for Chloride					
ASTM D512-89A					
<i>Traceable to NIST</i>					
LC166571	500mL	Amber Glass	Not Regulated	12	\$36.60
LC166572	1L	Amber Glass	Not Regulated	12	\$54.30
LC166574	4L	Amber Glass	Not Regulated	12	\$150.50
Mercuric Nitrate, 0.1N (0.05M)					
<i>Traceable to NIST</i>					
LC166582	1L	Amber Glass	Not Regulated	24	\$79.40
LC166584	4L	Amber Glass	Not Regulated	24	\$165.10
Mercuric Nitrate, 0.141N (0.071M) (1mL = 5mg Cl⁻), for Chloride					
APHA 4500-Cl ⁻ C					
<i>Traceable to NIST</i>					
LC166601	500mL	Amber Glass	Not Regulated	24	\$60.60
LC166602	1L	Amber Glass	Not Regulated	24	\$94.10
LC166604	4L	Amber Glass	Not Regulated	24	\$223.60
Mercuric Thiocyanate					
LC167108	25g	Amber Glass	UN1646, 6.1, PG II	N/A	\$100.80
Mercuric Thiocyanate, 0.42% w/v in Methanol, Stock Solution for Chloride					
APHA 4500-Cl ⁻ E,G					
LC167201	500mL	Amber Glass	UN1993, 3, PG II	24	\$48.30
LC167202	1L	Amber Glass	UN1993, 3, PG II	24	\$75.60
Mercury AA Standard, 1000 ppm (1mL = 1mg Hg)					
<i>Traceable to NIST</i>					
LC167507	125mL	Poly Bottle	UN3264, 8, PG II	24	\$24.00
LC167501	500mL	Poly Bottle	UN3264, 8, PG II	24	\$51.30

Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2021 Price
Methanol, ACS					
LC168001	500mL	Amber Glass	UN1230, 3, PG II	N/A	\$26.60
LC168002	1L	Amber Glass	UN1230, 3, PG II	N/A	\$30.50
LC168004	4L	Amber Glass	UN1230, 3, PG II	N/A	\$84.60
LC1680044	4X4L	Amber Glass	UN1230, 3, PG II	N/A	\$302.20
Methanol, HPLC					
LC168102	1L	Amber Glass	UN1230, 3, PG II	N/A	\$58.60
LC168104	4L	Amber Glass	UN1230, 3, PG II	N/A	\$127.30
Methanol, 50% v/v (1+1)					
LC168302	1L	Poly Bottle	UN1993, 3, PG III	24	\$52.30
LC168304	4L	Poly Bottle	UN1993, 3, PG III	24	\$79.80
Methyl Orange, Sodium Salt, ACS					
LC169808	25g	Amber Glass	UN2811, 6.1, PG III	N/A	\$29.30
Methyl Orange, 0.05% Aqueous, pH 3.2 – 4.4 Red to Yellow					
APHA 5530 B, 4500-P B, ASTM D1067-11 B					
LC170007	125mL	Poly Bottle	Not Regulated	24	\$19.20
LC170001	500mL	Poly Bottle	Not Regulated	24	\$22.20
LC170002	1L	Poly Bottle	Not Regulated	24	\$36.90
LC170004	4L	Poly Bottle	Not Regulated	24	\$80.90
Methyl Orange, 0.1% Aqueous, pH 3.2 – 4.4 Red to Yellow					
LC170101	500mL	Poly Bottle	Not Regulated	24	\$20.00
Methyl Orange, Modified					
TAPPI T613 cm-00					
LC170201	500mL	Poly Bottle	Not Regulated	24	\$32.50
Methyl Orange-Xylene Cyanol, pH 2.9 – 4.6 Lavender to Green					
LC170401	500mL	Poly Bottle	Not Regulated	24	\$52.10
LC170402	1L	Poly Bottle	Not Regulated	24	\$70.50
Methyl Purple Indicator, pH 4.8 – 5.4 Purple to Green					
LC170707	125mL	Poly Bottle	Not Regulated	24	\$20.90
LC170701	500mL	Poly Bottle	Not Regulated	24	\$24.50
LC170702	1L	Poly Bottle	Not Regulated	24	\$39.80
Methyl Red, Sodium Salt, ACS					
LC170807	10g	Amber Glass	Not Regulated	N/A	\$75.70
Methyl Red, 0.02% Aqueous, pH 4.2 – 6.3 Pink to Yellow					
LC170907	125mL	Poly Bottle	Not Regulated	24	\$15.70
LC170901	500mL	Poly Bottle	Not Regulated	24	\$34.60

Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2021 Price
Methyl Red, 0.02% in Methanol, pH 4.2 – 6.3 Pink to Yellow					
LC171007	125mL	Poly Bottle	UN1993, 3, PG II	36	\$22.20
LC171002	1L	Poly Bottle	UN1993, 3, PG II	36	\$60.10
Methyl Red, 0.1% Aqueous, pH 4.2 – 6.3 Pink to Yellow					
APHA 4500-SO ₄ ²⁻ C,D, ASTM 1067-11 B					
LC171207	125mL	Poly Bottle	Not Regulated	24	\$27.60
LC171201	500mL	Poly Bottle	Not Regulated	24	\$43.80
LC171202	1L	Poly Bottle	Not Regulated	24	\$67.60
Methyl Red, 1.0% Aqueous, pH 4.2 – 6.3 Pink to Yellow					
LC171407	125mL	Poly Bottle	Not Regulated	24	\$23.80
LC171401	500mL	Poly Bottle	Not Regulated	24	\$62.00
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, PG II	1	\$31.90
LC171701	500mL	Poly Bottle	UN1170, 3, PG II	1	\$87.00
Methyl Violet					
LC171907	10g	Amber Glass	Not Regulated	N/A	\$28.90
Methyl Violet, 0.02% Aqueous, pH 0.0 – 1.4 Green to Blue					
LC172001	500mL	Poly Bottle	Not Regulated	24	\$43.50
4-(Methylamino) Phenol Sulfate Solution					
ACS Phosphate Method					
LC168401	500mL	Poly Bottle	Not Regulated	12	\$47.70
Methylene Blue					
LC168508	25g	Amber Glass	Not Regulated	N/A	\$44.90
Methylene Blue, 0.1% Aqueous					
<i>Traceable to NIST</i>					
LC169001	500mL	Poly Bottle	Not Regulated	24	\$32.00
LC169002	1L	Poly Bottle	Not Regulated	24	\$52.50
Methylene Blue, 1% in Ethanol					
<i>Traceable to NIST</i>					
LC169207	125mL	Poly Bottle	UN1170, 3, PG II	24	\$31.10
LC169201	500mL	Poly Bottle	UN1170, 3, PG II	24	\$46.50
LC169202	1L	Poly Bottle	UN1170, 3, PG II	24	\$74.50

Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2021 Price
Methylene Blue, 1% Aqueous					
<i>Traceable to NIST</i>					
LC169407	125mL	Poly Bottle	Not Regulated	24	\$20.10
LC169401	500mL	Poly Bottle	Not Regulated	24	\$37.10
LC169402	1L	Poly Bottle	Not Regulated	24	\$48.50
Methylene Blue, Loeffler					
<i>Traceable to NIST</i>					
LC169601	500mL	Poly Bottle	Not Regulated	24	\$33.20
Methylene Blue Reagent, for Surfactants					
APHA 5540 C					
LC169701	500mL	Poly Bottle	Not Regulated	24	\$45.90
LC169702	1L	Poly Bottle	Not Regulated	24	\$66.90
Methylene Blue – See Also New Methylene Blue, Page 58.					
Microcosmic Salt Solution					
TAPPI T421 om-97					
LC169811	500mL	Poly Bottle	Not Regulated	12	\$52.70
Mixed Indicator for Kjeldahl Nitrogen – See Methyl Red–Methylene Blue, Page 56.					
Molybdate Reagent for Phosphorous – See Ammonium Molybdate, Page 10–11.					
Molybdenum AA Standard, 1000 ppm (1 mL = 1 mg Mo)					
<i>Traceable to NIST</i>					
LC174007	125mL	Poly Bottle	Not Regulated	24	\$30.50
LC174001	500mL	Poly Bottle	Not Regulated	24	\$67.10
Morin Solution					
TAPPI T421 om-97					
LC174207	125mL	Poly Bottle	UN1993, 3, PG II	12	\$143.00
Morpholine, ACS					
LC174401	500mL	Amber Glass	UN2054, 8(3), PG I	N/A	\$57.20
Morpholine Standard, 1000 ppm (1 mL = 1 mg)					
<i>Traceable to NIST</i>					
LC174501	500mL	Poly Bottle	Not Regulated	6	\$74.20
Murexide, ACS					
LC174907	5g	Amber Glass	Not Regulated	N/A	\$75.10

Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2021 Price
Murexide Indicator, Dry Form in NaCl, for Calcium					
APHA 3500–Ca B					
LC175109	100g	Poly Bottle	Not Regulated	36	\$51.10
LC175101	500g	Poly Bottle	Not Regulated	36	\$164.70
Murexide Indicator, 0.15% in Ethylene Glycol, for Calcium					
APHA 3500–Ca B					
LC175007	125mL	Amber Glass	Not Regulated	12	\$44.30
LC175001	500mL	Amber Glass	Not Regulated	12	\$66.40
N–(1–Naphthyl)–Ethylenediamine Dihydrochloride, ACS					
LC175408	25g	Amber Glass	Not Regulated	N/A	\$86.90
N–(1–Naphthyl)–Ethylenediamine Dihydrochloride, 0.1%, for Nitrogen (Nitrite)					
APHA 16th Edition				Refrigerated Item	
LC175507	125mL	White Poly	Not Regulated	2	\$36.20
LC175501	500mL	Amber Poly	Not Regulated	2	\$58.80
Neocuproine Reagent, 0.1% in Methanol, for Copper					
APHA 3500–Cu B					
LC176307	125mL	Poly Bottle	UN1993, 3, PG II	1	\$46.50
Nessler's 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), PG II	12	\$85.40
LC176002	1L	Amber Glass	UN2922, 8(6.1), PG II	12	\$145.70
New Methylene Blue N, for Reticulocytes					
<i>Traceable to NIST</i>					
LC176607	125mL	Poly Bottle	Not Regulated	24	\$25.60
LC176601	500mL	Poly Bottle	Not Regulated	24	\$90.60
Nickel AA Standard, 1000 ppm (1 mL = 1 mg Ni)					
<i>Traceable to NIST</i>					
LC176707	125mL	Poly Bottle	UN3264, 8, PG II	24	\$24.20
LC176701	500mL	Poly Bottle	UN3264, 8, PG II	24	\$58.70

Nital Solutions and Etchants Are Available in Many Sizes and Concentrations. Please Call or Email info@LabChem.com for a Custom Quotation.

Nitrate Electrode Fill Solution – See Electrode Fill Solution, Page 35.

Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2021 Price
Nitrate (as Nitrogen) Standard, 1000 ppm, (1 mL = 1 mg N, 1 mL = 4.43mg NO₃⁻)					
APHA 4500-NO ₃ ⁻ E, ASTM D3867-09 A,B					
<i>Traceable to NIST</i>					
LC179007	125mL	Poly Bottle	Not Regulated	24	\$20.00
LC179001	500mL	Poly Bottle	Not Regulated	24	\$36.60
Nitrate (as Nitrogen) Standard, 1000 ppm, Preserved with Chloroform (1 mL = 1 mg N, 1 mL = 4.43mg NO₃⁻)					
APHA 4500-NO ₃ ⁻ E, ASTM D3867-09 A,B					
<i>Traceable to NIST</i>					
LC179107	125mL	Poly Bottle	Not Regulated	24	\$20.90
LC179101	500mL	Poly Bottle	Not Regulated	24	\$39.80
Nitric Acid, ACS					
LC177001	500mL	Amber Glass	UN2031, 8(5.1), PG II	N/A	\$82.00
LC177002	1L	Amber Glass	UN2031, 8(5.1), PG II	N/A	\$91.40
LC177003	2.5L	Poly Bottle	UN2031, 8(5.1), PG II	N/A	\$130.60
LC177003S	2.5L	PVC Coated	UN2031, 8(5.1), PG II	N/A	\$140.70
LC1770036	6X2.5L	Poly Bottle	UN2031, 8(5.1), PG II	N/A	\$657.30
LC1770036S	6X2.5L	PVC Coated	UN2031, 8(5.1), PG II	N/A	\$714.60
Nitric Acid Solutions Are Available in Any Size or Concentration. Please Call or Email info@LabChem.com for a Custom Quotation.					
Nitric Acid, 10% v/v (1+9)					
<i>Traceable to NIST</i>					
LC177301	500mL	Amber Glass	UN2031, 8, PG II	24	\$29.00
LC177302	1L	Amber Glass	UN2031, 8, PG II	24	\$47.10
Nitric Acid, 20% v/v (1+4), for Lead					
APHA 3500-Pb B					
<i>Traceable to NIST</i>					
LC177501	500mL	Amber Glass	UN2031, 8, PG II	24	\$46.40
LC177502	1L	Amber Glass	UN2031, 8, PG II	24	\$57.70
Nitric Acid, 50% v/v (1+1)					
<i>Traceable to NIST</i>					
LC177701	500mL	Amber Glass	UN2031, 8, PG II	24	\$59.00
LC177702	1L	Amber Glass	UN2031, 8, PG II	24	\$86.70
LC177703	2.5L	Clear Glass	UN2031, 8, PG II	24	\$106.20
Nitric Acid, 0.1N (0.1M)					
<i>Traceable to NIST</i>					
LC178001	500mL	Poly Bottle	Not Regulated	24	\$21.70
LC178002	1L	Poly Bottle	Not Regulated	24	\$29.30

Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2021 Price
Nitric Acid, 1.0N (1.0M)					
<i>Traceable to NIST</i>					
LC178401	500mL	Amber Glass	UN2031, 8, PG II	24	\$24.00
LC178402	1L	Amber Glass	UN2031, 8, PG II	24	\$34.60
Nitric Acid, 2.0N (2.0M)					
<i>Traceable to NIST</i>					
LC178501	500mL	Amber Glass	UN2031, 8, PG II	24	\$37.90
LC178502	1L	Amber Glass	UN2031, 8, PG II	24	\$41.10
LC178503	2.5L	Clear Glass	UN2031, 8, PG II	24	\$93.20
Nitric Acid, 6.0N (6.0M)					
<i>Traceable to NIST</i>					
LC178701	500mL	Amber Glass	UN2031, 8, PG II	24	\$65.70
LC178702	1L	Amber Glass	UN2031, 8, PG II	24	\$90.80
Nitrite (as Nitrogen) Standard, 1000 ppm, (1 mL = 1 mg N, 1 mL = 3.28mg NO₂⁻)					
APHA 4500-NO ₂ ⁻ E, ASTM D3867-09 A,B			Refrigerated Item		
<i>Traceable to NIST</i>					
LC179207	125mL	Poly Bottle	Not Regulated	3	\$29.30
LC179201	500mL	Poly Bottle	Not Regulated	3	\$68.20
Nitrite (as Nitrogen) Standard, 1000 ppm, Preserved with Chloroform (1 mL = 1 mg N, 1 mL = 3.28mg NO₂⁻)					
APHA 4500-NO ₂ ⁻ E, ASTM D3867-09 A,B			Refrigerated Item		
<i>Traceable to NIST</i>					
LC179307	125mL	Poly Bottle	Not Regulated	3	\$29.40
LC179301	500mL	Poly Bottle	Not Regulated	3	\$68.60
Nitrogen Standards – See Also Ammonia Standards, Page 7.					
ORP Standard, 200mV					
LC180101	500mL	Amber Glass	Not Regulated	12	\$55.50
ORP Standard, 220mV – See Zobell's Solution, Page 110.					
ORP Standard, 400mV					
LC180151	500mL	Amber Glass	UN2796, 8, PG II	12	\$60.70
ORP Standard, 475mV, (Light's Solution)					
LC180201	500mL	Amber Glass	UN3264, 8, PG II	12	\$64.60
Oxalic Acid, Dihydrate, ACS					
LC180401	500g	Poly Bottle	UN3261, 8, PG II	N/A	\$95.10

Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2021 Price
Oxalic Acid Solutions Are Available in Any Size or Concentration. Please Call or Email info@LabChem.com for a Custom Quotation.					
Oxalic Acid, 5% w/v, for Silica					
APHA 4500-SiO ₂ E					
LC180501	500mL	Poly Bottle	Not Regulated	24	\$29.30
LC180502	1L	Poly Bottle	Not Regulated	24	\$45.20
Oxalic Acid, 7.5% w/v, for Silica					
APHA 4500-SiO ₂ C,D					
<i>Traceable to NIST</i>					
LC180601	500mL	Poly Bottle	Not Regulated	24	\$34.50
LC180602	1L	Poly Bottle	Not Regulated	24	\$49.00
Oxalic Acid, 10% w/v, for Silica					
APHA 4500-SiO ₂ F, ASTM D859-10					
<i>Traceable to NIST</i>					
LC180801	500mL	Poly Bottle	Not Regulated	24	\$30.10
LC180802	1L	Poly Bottle	Not Regulated	24	\$45.00
PAN Indicator, 0.3% in Ethanol					
LC180907	125mL	Amber Glass	UN1170, 3, PG II	24	\$38.90
LC180901	500mL	Amber Glass	UN1170, 3, PG II	24	\$51.60
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), PG II	24	\$42.30
LC181002	1L	Amber Glass	UN2789, 8(3), PG II	24	\$74.30
LC181003	2.5L	Clear Glass	UN2789, 8(3), PG II	24	\$167.70
LC181004	4L	Amber Glass	UN2789, 8(3), PG II	24	\$175.30
1,10-Phenanthroline, Monohydrate, ACS					
LC181407	5g	Amber Glass	Not Regulated	N/A	\$76.00
o-Phenanthroline, 0.1% Alcoholic					
LC181701	500mL	Poly Bottle	UN1170, 3, PG II	12	\$43.30
o-Phenanthroline 0.1% Aqueous, for Iron					
APHA 3500-Fe B					
LC181501	500mL	Poly Bottle	Not Regulated	12	\$45.00
o-Phenanthroline Solution, 0.25% w/v					
TAPPI T434 cm-01					
LC181601	500mL	Poly Bottle	Not Regulated	12	\$67.10

Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2021 Price
o-Phenanthroline, 0.3% w/v					
TAPPI T613 cm-00					
LC181552	1L	Poly Bottle	Not Regulated	12	\$97.60
Phenol Red, Sodium Salt, ACS					
LC182407	5g	Amber Glass	Not Regulated	N/A	\$41.60
Phenol Red, 0.02%, Aqueous, pH 6.8 – 8.4 Yellow to Red					
LC182507	125mL	Poly Bottle	Not Regulated	24	\$17.80
LC182501	500mL	Poly Bottle	Not Regulated	24	\$24.40
Phenol Red, 0.04%, Aqueous, pH 6.8 – 8.4 Yellow to Red					
LC182607	125mL	Poly Bottle	Not Regulated	24	\$15.40
LC182601	500mL	Poly Bottle	Not Regulated	24	\$23.80
Phenol Red, 0.1%, Aqueous					
TAPPI T610 sp-02					
LC182701	500mL	Poly Bottle	Not Regulated	24	\$37.10
Phenol Standard, 1000ppm (1 mL = 1 mg)					
APHA 5530 C,D					
<i>Traceable to NIST</i>					
LC183307	125mL	Amber Glass	Not Regulated	24	\$33.60
LC183301	500mL	Amber Glass	Not Regulated	24	\$47.20
Phenol, 5% w/v					
<i>Traceable to NIST</i>					
LC181951	500mL	Amber Glass	Not Regulated	24	\$41.10
LC181952	1L	Amber Glass	Not Regulated	24	\$59.10
LC181954	4L	Amber Glass	Not Regulated	24	\$182.40
Phenolphthalein, ACS					
LC181989	100g	Poly Bottle	Not Regulated	N/A	\$37.10
Phenolphthalein, 0.08% in Methanol, for Organic Acids					
APHA 5560 B					
LC182307	125mL	Poly Bottle	UN1993, 3, PG II	24	\$19.20
LC182301	500mL	Poly Bottle	UN1993, 3, PG II	24	\$23.70
Phenolphthalein, 0.5% In 50% Ethanol, pH 8.3 – 10.0 Colorless to Pink					
LC182007	125mL	Poly Bottle	UN1170, 3, PG III	24	\$15.30
LC182001	500mL	Poly Bottle	UN1170, 3, PG III	24	\$16.60
LC182002	1L	Poly Bottle	UN1170, 3, PG III	24	\$31.30

Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2021 Price
Phenolphthalein, 1% In 60% Isopropanol, pH 8.3 – 10.0 Colorless to Pink					
LC182107	125mL	Poly Bottle	UN1219, 3, PG II	24	\$13.50
LC182101	500mL	Poly Bottle	UN1219, 3, PG II	24	\$23.50
LC182102	1L	Poly Bottle	UN1219, 3, PG II	24	\$42.90
Phenolphthalein, 1% in 95% Ethanol, pH 8.3 – 10.0 Colorless to Pink					
LC182207	125mL	Poly Bottle	UN1170, 3, PG II	24	\$16.10
LC182201	500mL	Poly Bottle	UN1170, 3, PG II	24	\$20.10
LC182202	1L	Poly Bottle	UN1170, 3, PG II	24	\$31.10
LC182204	4L	Poly Bottle	UN1170, 3, PG II	24	\$92.30
Phenylarsine Oxide					
LC183357	10g	Amber Glass	UN1557, 6.1, PG I	N/A	\$142.70
Phenylarsine Oxide, 0.005N (0.0025M), for Dissolved Oxygen					
ASTM D888-09 A <i>Traceable to NIST</i>					
LC183402	1L	Amber Glass	Not Regulated	12	\$90.60
LC183404	4L	Amber Glass	Not Regulated	12	\$275.30
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 D1253-08 <i>Traceable to NIST</i>					
LC183601	500mL	Amber Glass	Not Regulated	12	\$77.10
LC183602	1L	Amber Glass	Not Regulated	12	\$89.80
LC183604	4L	Amber Glass	Not Regulated	12	\$270.30
Phenylarsine Oxide, 0.025N (0.0125M)					
ASTM D888-05 A, D888-09 B <i>Traceable to NIST</i>					
LC183801	500mL	Amber Glass	Not Regulated	12	\$89.30
LC183802	1L	Amber Glass	Not Regulated	12	\$137.10
Phenylarsine Oxide, 0.0375N (0.01875M), for BOD					
ASTM D888-09 A, EPA 360.2 <i>Traceable to NIST</i>					
LC183902	1L	Amber Glass	Not Regulated	12	\$194.00
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	\$45.70
LC185502	1L	Poly Bottle	Not Regulated	12	\$78.30

Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2021 Price
Phosphate Buffer pH 6.2–6.5, Mercury–free, for Chlorine, Chlorine Dioxide					
APHA 4500–Cl F, 4500–ClO ₂ D (20th Ed.), E					
<i>Traceable to NIST</i>					
LC185452	1L	Poly Bottle	Not Regulated	24	\$53.10
LC185454	4L	Poly Bottle	Not Regulated	24	\$150.20
Phosphate Buffer pH 6.2–6.5, for Chlorine, Chlorine Dioxide					
APHA 4500–Cl F, 4500–ClO ₂ D (20th Ed.), E					
<i>Traceable to NIST</i>					
LC185401	500mL	Poly Bottle	Not Regulated	24	\$40.70
LC185402	1L	Poly Bottle	Not Regulated	24	\$49.70
LC185404	4L	Poly Bottle	Not Regulated	24	\$151.00
Phosphate Buffer pH 6.8, for Phenols					
APHA 5530 C,D					
<i>Traceable to NIST</i>					
LC185601	500mL	Poly Bottle	Not Regulated	24	\$49.20
Phosphate Buffer pH 7.0, for Chlorine, Chlorine Dioxide					
APHA 4500–Cl D (20th Ed.), 4500–ClO ₂ C,E, ASTM D1253–08					
<i>Traceable to NIST</i>					
LC185201	500mL	Poly Bottle	Not Regulated	24	\$51.60
LC185202	1L	Poly Bottle	Not Regulated	24	\$78.50
LC185204	4L	Poly Bottle	Not Regulated	24	\$239.80
Phosphate Buffer pH 7.2, for BOD					
APHA 5210 B					
<i>Traceable to NIST</i>					
LC185001	500mL	Poly Bottle	Not Regulated	24	\$27.40
LC185002	1L	Poly Bottle	Not Regulated	24	\$44.80
LC185004	4L	Poly Bottle	Not Regulated	24	\$85.60
Phosphate Standard, 500ppm (1 mL = 0.5mg PO₄)					
<i>Traceable to NIST</i>					
LC185801	500mL	Poly Bottle	Not Regulated	24	\$50.40
Phosphate Standard, 1000ppm (1 mL = 1mg PO₄)					
<i>Traceable to NIST</i>					
LC185701	500mL	Poly Bottle	Not Regulated	24	\$47.50
Phosphate (as Phosphorus) Standard, 50ppm (1 mL = 0.05mg P)					
<i>Traceable to NIST</i>					
LC186007	125mL	Poly Bottle	Not Regulated	12	\$30.60
LC186001	500mL	Poly Bottle	Not Regulated	12	\$44.60

Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2021 Price
Phosphate (as Phosphorus) Standard, 1000ppm (1 mL = 1 mg P)					
<i>Traceable to NIST</i>					
LC185901	500mL	Poly Bottle	Not Regulated	24	\$63.00
Phosphoric Acid, ACS					
LC186401	500mL	Amber Glass	UN1805, 8, PG III	N/A	\$64.90
LC186403	2.5L	Clear Glass	UN1805, 8, PG III	N/A	\$123.60
LC186403S	2.5L	PVC Coated	UN1805, 8, PG III	N/A	\$133.60
LC1864036S	6X2.5L	PVC Coated	UN1805, 8, PG III	N/A	\$768.60
Phosphoric Acid, 10% v/v (1+9)					
<i>Traceable to NIST</i>					
LC186501	500mL	Poly Bottle	UN1805, 8, PG III	24	\$28.60
LC186502	1L	Poly Bottle	UN1805, 8, PG III	24	\$44.90
LC186504	4L	Poly Bottle	UN1805, 8, PG III	24	\$104.90
LC186506	10L	Cubitainer®	UN1805, 8, PG III	24	\$255.90
LC186505	20L	Cubitainer®	UN1805, 8, PG III	24	\$419.70
LC18650200	200L	Poly Drum	UN1805, 8, PG III	24	\$1,187.10
Phosphoric Acid, 25% v/v (1+3)					
<i>Traceable to NIST</i>					
LC186551	500mL	Poly Bottle	UN1805, 8, PG III	24	\$33.60
LC186552	1L	Poly Bottle	UN1805, 8, PG III	24	\$51.10
LC186554	4L	Poly Bottle	UN1805, 8, PG III	24	\$106.00
Phosphoric Acid–Sulfamic Acid Solution, for Chlorine					
APHA 4500–Cl C					
LC186601	500mL	Poly Bottle	UN1805, 8, PG III	12	\$46.50
Picric Acid, Saturated					
LC186701	500mL	Poly Bottle	Not Regulated	24	\$45.90
LC186702	1L	Poly Bottle	Not Regulated	24	\$59.90
Prices Listed for Platinum Solutions Are Subject to Change. Please Call for Current Prices.					
Platinizing Solution, for Electrical Conductivity and Resistivity					
ASTM D1125–95 (2009)					
LC186807	125mL	Amber Glass	Not Regulated	24	\$827.20
Platinum–Cobalt Color Standards, APHA – See Color Standards, Page 27–28.					
Polyseed®, for BOD					
APHA 5210					
LC1888050	EA	50 Capsule Bottle	Not Regulated	N/A	\$173.80

Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2021 Price
Polyseed NX®, for BOD					
APHA 5210					
LC1889050	EA	50 Capsule Bottle	Not Regulated	N/A	\$225.20
BOD Testing Reagents – See Page 112 for Complete Listing.					
Potassium AA Standard, 100ppm (1 mL = 0.1 mg K)					
<i>Traceable to NIST</i>					
LC201101	500mL	Poly Bottle	Not Regulated	12	\$35.80
Potassium AA Standard, 1000ppm (1 mL = 1 mg K)					
<i>Traceable to NIST</i>					
LC201007	125mL	Poly Bottle	Not Regulated	24	\$24.60
LC201001	500mL	Poly Bottle	Not Regulated	24	\$50.60
Potassium Acid Phthalate, ACS					
LC186901	500g	Poly Bottle	Not Regulated	N/A	\$107.60
Potassium Acid Phthalate, 0.05N (0.05M) (Potassium Hydrogen Phthalate)					
APHA 2310 B					
<i>Traceable to NIST</i>					
LC187001	500mL	Poly Bottle	Not Regulated	24	\$37.00
LC187002	1L	Poly Bottle	Not Regulated	24	\$58.70
Potassium Acid Phthalate, 1 mL=1 mg COD – See COD Standard, Page 27.					
Potassium Antimony Tartrate, ACS					
LC187109	100g	Poly Bottle	UN1551, 6.1, PG III	N/A	\$75.10
Potassium Antimony Tartrate Solution, for Phosphorus					
APHA 4500-P E,F					
LC187201	500mL	Poly Bottle	Not Regulated	6	\$40.20
LC187202	1L	Poly Bottle	Not Regulated	6	\$71.20
Potassium Biiodate, ACS					
LC187259	100g	Amber Glass	UN3085, 5.1(8), PG II	N/A	\$127.30
Potassium Biiodate, 0.025N (0.0021M)					
APHA 4500-O C, ASTM D888-09 A					
<i>Traceable to NIST</i>					
LC187302	1L	Poly Bottle	Not Regulated	24	\$56.00
LC187304	4L	Poly Bottle	Not Regulated	24	\$118.60
Potassium Biiodate, 0.0282N (0.00235M), for Residual Chlorine					
ASTM D1253-08					
<i>Traceable to NIST</i>					
LC187351	500mL	Poly Bottle	Not Regulated	24	\$40.00

Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2021 Price
Potassium Biiodate, 0.0375N (0.00313M)					
ASTM D888-09 A					
<i>Traceable to NIST</i>					
LC187371	500mL	Poly Bottle	Not Regulated	24	\$36.30
LC187372	1L	Poly Bottle	Not Regulated	24	\$55.00
Potassium Biiodate, 0.1N (0.0085M)					
<i>Traceable to NIST</i>					
LC187401	500mL	Poly Bottle	Not Regulated	24	\$41.20
LC187402	1L	Poly Bottle	Not Regulated	24	\$62.50
Potassium Bisulfite					
LC187701	500g	Amber Glass	Not Regulated	N/A	\$145.70
Potassium Bromide, ACS					
LC187811	500g	Poly Bottle	Not Regulated	N/A	\$96.70
Potassium Bromide, 10% w/v					
<i>Traceable to NIST</i>					
LC187824	4L	Poly Bottle	Not Regulated	24	\$156.70
Potassium Bromide Solution, for Mercury					
APHA 3500-Hg C (19th Ed.)					
LC187851	500mL	Poly Bottle	Not Regulated	24	\$55.00
Potassium Chloride, ACS					
LC187901	500g	Poly Bottle	Not Regulated	N/A	\$42.30
Potassium Chloride Conductivity Reference Solutions – See Conductivity Standards, Page 28–29.					
Potassium Chloride, 3.0M (3.0N)					
<i>Traceable to NIST</i>					
LC187951	500mL	Poly Bottle	Not Regulated	24	\$27.00
Potassium Chloride, 4M (4N), Electrode Filling Solution, Saturated with AgCl					
<i>Traceable to NIST</i>					
LC140007	125mL	Poly Bottle	Not Regulated	24	\$18.80
LC140001	500mL	Poly Bottle	Not Regulated	24	\$28.00
LC140002	1L	Poly Bottle	Not Regulated	24	\$50.10
Potassium Chloride Saturated, Electrode Filling Solution					
LC188007	125mL	Poly Bottle	Not Regulated	24	\$17.60
LC188001	500mL	Poly Bottle	Not Regulated	24	\$27.40
LC188002	1L	Poly Bottle	Not Regulated	24	\$49.00
LC188006	10L	Cubitainer®	Not Regulated	24	\$232.60

Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2021 Price
Potassium Chromate, ACS					
LC188309	100g	Poly Bottle	UN3087, 5.1(6.1), PG III	N/A	\$39.10

Potassium Chromate Solutions Are Available in Any Size or Concentration. Please Call or Email info@LabChem.com for a Custom Quotation.

Potassium Chromate, 0.063%, for Silica

APHA 4500-SiO₂ C,D

LC188401	500mL	Poly Bottle	Not Regulated	24	\$27.00
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Potassium Chromate Indicator, 5% w/v, for Chloride

APHA 4500-Cl⁻ B, ASTM D512-12 B

LC188501	500mL	Poly Bottle	Not Regulated	24	\$22.90
LC188502	1L	Poly Bottle	Not Regulated	24	\$42.90
LC188504	4L	Poly Bottle	Not Regulated	24	\$133.00

Potassium Dichromate, ACS

LC189401	500g	Poly Bottle	UN3086, 6.1(5.1), PG II	N/A	\$116.90
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Potassium Dichromate Solutions Are Available in Any Size or Concentration. Please Call or Email info@LabChem.com for a Custom Quotation.

Potassium Dichromate, 4% w/v

TAPPI T421 om-97

LC189451	500mL	Poly Bottle	Not Regulated	24	\$35.80
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Potassium Dichromate, 9% w/v

TAPPI T429 om-01

LC189471	500mL	Poly Bottle	UN3122, 6.1, PG II	24	\$40.40
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Potassium Dichromate, 0.025N (0.0042M), for COD

ASTM D1252-00 A

Traceable to NIST

LC189501	500mL	Poly Bottle	Not Regulated	12	\$23.50
LC189502	1L	Poly Bottle	Not Regulated	12	\$37.00

Potassium Dichromate, 0.1N (0.0167M)

Traceable to NIST

LC189801	500mL	Poly Bottle	Not Regulated	12	\$20.40
LC189802	1L	Poly Bottle	Not Regulated	12	\$35.30
LC189804	4L	Poly Bottle	Not Regulated	12	\$72.20
LC189806	10L	Cubitainer®	Not Regulated	12	\$167.70
LC189805	20L	Cubitainer®	Not Regulated	12	\$255.90

Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2021 Price
Potassium Dichromate, 0.2N (0.0333M)					
<i>Traceable to NIST</i>					
LC190001	500mL	Poly Bottle	Not Regulated	12	\$29.60
LC190002	1L	Poly Bottle	Not Regulated	12	\$50.70
LC190004	4L	Poly Bottle	Not Regulated	12	\$88.10
Potassium Dichromate, 0.25N (0.0417M)					
APHA 5220 B					
<i>Traceable to NIST</i>					
LC190101	500mL	Poly Bottle	Not Regulated	24	\$29.50
LC190102	1L	Poly Bottle	Not Regulated	24	\$50.60
LC190104	4L	Poly Bottle	Not Regulated	24	\$93.20
LC190106	10L	Cubitainer®	Not Regulated	24	\$183.50
LC190105	20L	Cubitainer®	Not Regulated	24	\$239.80
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	\$57.80
LC190204	4L	Poly Bottle	Not Regulated	24	\$160.90
Potassium Ferricyanide, ACS					
LC190401	500g	Poly Bottle	Not Regulated	N/A	\$104.00
Potassium Ferricyanide, 10% w/v					
APHA 5530 C,D					
<i>Traceable to NIST</i>					
LC190501	500mL	Amber Poly	Not Regulated	12	\$46.40
LC190502	1L	Amber Poly	Not Regulated	12	\$63.10
Potassium Ferrocyanide, Trihydrate, ACS					
LC190551	500g	Amber Glass	Not Regulated	N/A	\$98.90
Potassium Ferrocyanide, 10% w/v					
<i>Traceable to NIST</i>					
LC190601	500mL	Amber Poly	Not Regulated	18	\$52.10
LC190602	1L	Amber Poly	Not Regulated	18	\$72.00
Potassium Fluoride, Reagent Grade					
LC190901	500g	Poly Bottle	UN1812, 6.1, PG III	N/A	\$101.00
Potassium Fluoride, 40% w/v, for Dissolved Oxygen					
APHA 4500-O D, ASTM D888-09 A					
LC191001	500mL	Poly Bottle	Not Regulated	24	\$78.80
LC191002	1L	Poly Bottle	Not Regulated	24	\$144.50
LC191004	4L	Poly Bottle	Not Regulated	24	\$291.30

Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2021 Price
Potassium Fluoride, 50% w/v as Dihydrate					
LC191101	500mL	Poly Bottle	Not Regulated	24	\$82.20
LC191102	1L	Poly Bottle	Not Regulated	24	\$157.90
LC191104	4L	Poly Bottle	Not Regulated	24	\$313.10
LC191106	10L	Cubitainer®	Not Regulated	24	\$707.40
LC191105	20L	Cubitainer®	Not Regulated	24	\$1,149.20

Potassium Hydrogen Phthalate Standards – See COD Standard, Page 27 and Potassium Acid Phthalate, 0.05N, Page 66.

Potassium Hydroxide, ACS

LC191901	500g	Poly Bottle	UN1813, 8, PG II	N/A	\$43.90
LC191902	1kg	Poly Bottle	UN1813, 8, PG II	N/A	\$70.90

Potassium Hydroxide Solutions Are Available in Any Size or Concentration. Please Call or Email info@LabChem.com for a Custom Quotation.

Potassium Hydroxide, 10% w/v

Traceable to NIST

LC192001	500mL	Poly Bottle	UN1814, 8, PG II	24	\$23.30
LC192002	1L	Poly Bottle	UN1814, 8, PG II	24	\$35.60
LC192004	4L	Poly Bottle	UN1814, 8, PG II	24	\$72.90
LC192005	20L	Cubitainer®	UN1814, 8, PG II	24	\$260.70

Potassium Hydroxide, 20% w/v

Traceable to NIST

LC192201	500mL	Poly Bottle	UN1814, 8, PG II	24	\$27.90
LC192202	1L	Poly Bottle	UN1814, 8, PG II	24	\$42.80
LC192204	4L	Poly Bottle	UN1814, 8, PG II	24	\$105.10

Potassium Hydroxide, 30% w/v

Traceable to NIST

LC192401	500mL	Poly Bottle	UN1814, 8, PG II	24	\$25.50
LC192402	1L	Poly Bottle	UN1814, 8, PG II	24	\$41.50
LC192404	4L	Poly Bottle	UN1814, 8, PG II	24	\$94.70
LC192406	10L	Cubitainer®	UN1814, 8, PG II	24	\$166.80

Potassium Hydroxide, 45% w/w

Traceable to NIST

LC192501	500mL	Poly Bottle	UN1814, 8, PG II	N/A	\$28.90
LC192502	1L	Poly Bottle	UN1814, 8, PG II	N/A	\$44.30
LC192504	4L	Poly Bottle	UN1814, 8, PG II	N/A	\$85.50
LC192505	20L	Poly Drum	UN1814, 8, PG II	N/A	\$422.20

Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2021 Price
Potassium Hydroxide, 50% w/v					
<i>Traceable to NIST</i>					
LC192601	500mL	Poly Bottle	UN1814, 8, PG II	24	\$35.30
LC192602	1L	Poly Bottle	UN1814, 8, PG II	24	\$52.70
LC192604	4L	Poly Bottle	UN1814, 8, PG II	24	\$103.80
Potassium Hydroxide, 0.01N (0.01M)					
<i>Traceable to NIST</i>					
LC192751	500mL	Poly Bottle	Not Regulated	24	\$22.40
LC192754	4L	Poly Bottle	Not Regulated	24	\$93.00
Potassium Hydroxide, 0.05N (0.05M)					
<i>Traceable to NIST</i>					
LC192802	1L	Poly Bottle	Not Regulated	24	\$49.60
Potassium Hydroxide, 0.1N (0.1M)					
<i>Traceable to NIST</i>					
LC193001	500mL	Poly Bottle	Not Regulated	24	\$18.30
LC193002	1L	Poly Bottle	Not Regulated	24	\$21.90
LC193004	4L	Poly Bottle	Not Regulated	24	\$74.70
LC193006	10L	Cubitainer®	Not Regulated	24	\$153.00
LC193005	20L	Cubitainer®	Not Regulated	24	\$205.50
Potassium Hydroxide, 0.1N (0.1M) in Ethanol					
TAPPI T628 cm-01					
<i>Traceable to NIST</i>					
LC193101	500mL	Amber Glass	UN1170, 3, PG II	6	\$24.60
LC193102	1L	Amber Glass	UN1170, 3, PG II	6	\$33.40
Potassium Hydroxide, 0.1N (0.1M) in Isopropanol					
<i>Traceable to NIST</i>					
LC195502	1L	Poly Bottle	UN1993, 3, PG II	18	\$47.10
LC195504	4L	Poly Bottle	UN1993, 3, PG II	18	\$97.90
LC195506	10L	Cubitainer®	UN1993, 3, PG II	18	\$178.50
LC195505	20L	Cubitainer®	UN1993, 3, PG II	18	\$269.30
Potassium Hydroxide, 0.1N (0.1M) in Methanol					
<i>Traceable to NIST</i>					
LC195001	500mL	Poly Bottle	UN1993, 3, PG II	18	\$24.30
LC195002	1L	Poly Bottle	UN1993, 3, PG II	18	\$33.40
LC195004	4L	Poly Bottle	UN1993, 3, PG II	18	\$93.00
LC195006	10L	Cubitainer®	UN1993, 3, PG II	18	\$175.00
LC195005	20L	Cubitainer®	UN1993, 3, PG II	18	\$363.60

Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2021 Price
Potassium Hydroxide, 0.5N (0.5M)					
<i>Traceable to NIST</i>					
LC193201	500mL	Poly Bottle	UN1814, 8, PG II	24	\$22.30
LC193202	1L	Poly Bottle	UN1814, 8, PG II	24	\$26.80
LC193204	4L	Poly Bottle	UN1814, 8, PG II	24	\$80.80
LC193206	10L	Cubitainer®	UN1814, 8, PG II	24	\$177.40
LC193205	20L	Cubitainer®	UN1814, 8, PG II	24	\$206.80
Potassium Hydroxide, 0.5N (0.5M) in Ethanol					
<i>Traceable to NIST</i>					
LC195602	1L	Amber Glass	UN2924, 3(8), PG II	6	\$45.30
LC195604	4L	Amber Glass	UN2924, 3(8), PG II	6	\$104.80
LC195605	20L	Cubitainer®	UN2924, 3(8), PG II	6	\$372.10
Potassium Hydroxide, 0.5N (0.5M) in Isopropanol					
TAPPI T628 cm-01					
<i>Traceable to NIST</i>					
LC195301	500mL	Poly Bottle	UN2924, 3(8), PG II	12	\$39.00
LC195302	1L	Poly Bottle	UN2924, 3(8), PG II	12	\$58.70
Potassium Hydroxide, 0.5N (0.5M) in Methanol					
<i>Traceable to NIST</i>					
LC195201	500mL	Poly Bottle	UN2924, 3(8), PG II	18	\$30.80
LC195202	1L	Poly Bottle	UN2924, 3(8), PG II	18	\$38.40
LC195204	4L	Poly Bottle	UN2924, 3(8), PG II	18	\$91.30
LC195205	20L	Cubitainer®	UN2924, 3(8), PG II	18	\$370.00
Potassium Hydroxide, 1.0N (1.0M)					
<i>Traceable to NIST</i>					
LC193501	500mL	Poly Bottle	UN1814, 8, PG II	24	\$24.80
LC193502	1L	Poly Bottle	UN1814, 8, PG II	24	\$33.40
LC193504	4L	Poly Bottle	UN1814, 8, PG II	24	\$75.70
LC193505	20L	Cubitainer®	UN1814, 8, PG II	24	\$239.80
Potassium Hydroxide, 1.0N (1.0M) in Methanol					
<i>Traceable to NIST</i>					
LC195402	1L	Poly Bottle	UN2924, 3(8), PG II	12	\$49.90
LC195404	4L	Poly Bottle	UN2924, 3(8), PG II	12	\$116.30
Potassium Hydroxide, 2.0N (2.0M)					
TAPPI T421 om-97					
<i>Traceable to NIST</i>					
LC193602	1L	Poly Bottle	UN1814, 8, PG II	24	\$34.20
LC193604	4L	Poly Bottle	UN1814, 8, PG II	24	\$82.20

Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2021 Price
Potassium Hydroxide, 10N (10M)					
TAPPI T610 sp-02					
<i>Traceable to NIST</i>					
LC193701	500mL	Poly Bottle	UN1814, 8, PG II	24	\$27.30
LC193702	1L	Poly Bottle	UN1814, 8, PG II	24	\$36.10
LC193704	4L	Poly Bottle	UN1814, 8, PG II	24	\$106.80
Potassium Iodate, ACS					
LC195909	100g	Poly Bottle	UN1479, 5.1, PG III	N/A	\$84.30
Potassium Iodate, 0.00564N (0.00094M), for Chlorine					
APHA 4500-Cl C					
<i>Traceable to NIST</i>					
LC196002	1L	Poly Bottle	Not Regulated	24	\$58.60
Potassium Iodate, 0.025N (0.0042M)					
<i>Traceable to NIST</i>					
LC196102	1L	Poly Bottle	Not Regulated	24	\$59.10
Potassium Iodate, 0.1N (0.0167M)					
<i>Traceable to NIST</i>					
LC196301	500mL	Poly Bottle	Not Regulated	24	\$27.40
LC196302	1L	Poly Bottle	Not Regulated	24	\$48.20
LC196304	4L	Poly Bottle	Not Regulated	24	\$86.80
Potassium Iodate, 0.125N (0.0208M)					
TAPPI T604 om-00					
<i>Traceable to NIST</i>					
LC196402	1L	Poly Bottle	Not Regulated	24	\$55.30
Potassium Iodate-Iodide, 0.0125N (0.002083M) (1 mL = 0.5mg SO₃²⁻), for Sulfite					
APHA 4500-SO ₃ ²⁻ B,C					
<i>Traceable to NIST</i>					
LC196601	500mL	Amber Poly	Not Regulated	12	\$30.80
LC196602	1L	Amber Poly	Not Regulated	12	\$40.60
LC196604	4L	Amber Poly	Not Regulated	12	\$89.40
LC196605	20L	Cubitainer®	Not Regulated	12	\$222.00
Potassium Iodate-Iodide, 0.1N (0.0167M)					
<i>Traceable to NIST</i>					
LC196801	500mL	Amber Poly	Not Regulated	12	\$48.60
LC196802	1L	Amber Poly	Not Regulated	12	\$58.80
LC196804	4L	Amber Poly	Not Regulated	12	\$151.20

Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2021 Price
Potassium Iodide, ACS					
LC196908	100g	Amber Glass	Not Regulated	N/A	\$83.10
LC196901	500g	Amber Glass	Not Regulated	N/A	\$193.80
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	White Poly	Not Regulated	12	\$20.20
LC197001	500mL	Amber Poly	Not Regulated	12	\$42.10
Potassium Iodide, 2% w/v					
APHA 2350 E					
<i>Traceable to NIST</i>					
LC197201	500mL	Amber Poly	Not Regulated	24	\$34.20
Potassium Iodide, 5% w/v					
<i>Traceable to NIST</i>					
LC197401	500mL	Amber Poly	Not Regulated	24	\$26.20
LC197402	1L	Amber Poly	Not Regulated	24	\$42.80
LC197404	4L	Amber Poly	Not Regulated	24	\$91.00
LC197406	10L	Cubitainer®	Not Regulated	24	\$206.80
Potassium Iodide, 10% w/v					
<i>Traceable to NIST</i>					
LC197601	500mL	Amber Poly	Not Regulated	24	\$34.60
LC197602	1L	Amber Poly	Not Regulated	24	\$52.70
LC197604	4L	Amber Poly	Not Regulated	24	\$112.80
LC197606	10L	Cubitainer®	Not Regulated	24	\$271.70
LC197605	20L	Cubitainer®	Not Regulated	24	\$550.70
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	\$56.00
LC197802	1L	Amber Poly	Not Regulated	12	\$88.60
LC197804	4L	Amber Poly	Not Regulated	12	\$275.40
LC197806	10L	Cubitainer®	Not Regulated	12	\$482.50
LC197805	20L	Cubitainer®	Not Regulated	12	\$591.60
Potassium Iodide, 20% w/v					
<i>Traceable to NIST</i>					
LC198001	500mL	Amber Poly	Not Regulated	12	\$68.00
LC198002	1L	Amber Poly	Not Regulated	12	\$123.10
LC198004	4L	Amber Poly	Not Regulated	12	\$367.00
LC198005	20L	Cubitainer®	Not Regulated	12	\$1,107.40

Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2021 Price
Potassium Iodide, 1.0N (1.0M)					
<i>Traceable to NIST</i>					
LC198151	500mL	Amber Poly	Not Regulated	12	\$68.00
LC198152	1L	Amber Poly	Not Regulated	12	\$119.50
LC198154	4L	Amber Poly	Not Regulated	12	\$391.60
Potassium Iodide-Iodine Reagent					
TAPPI T419 om-02					
LC198162	1L	Amber Glass	Not Regulated	24	\$61.20
Potassium Nitrate, ACS					
LC198181	500g	Poly Bottle	UN1486, 5.1, PG III	N/A	\$76.00
Potassium Nitrate, 10% w/v, for Filling Chloride Ion Selective Electrodes					
LC198207	125mL	Poly Bottle	Not Regulated	24	\$34.70
LC198201	500mL	Poly Bottle	Not Regulated	24	\$83.10
Potassium Nitrate Solution, for Filling Cyanide Ion Selective Electrodes					
APHA 4500-CN ⁻ F					
LC198307	125mL	Poly Bottle	Not Regulated	36	\$32.20
Potassium Oxalate, Monohydrate, ACS					
LC198351	500g	Poly Bottle	Not Regulated	N/A	\$92.60
Potassium Oxalate, 2% w/v, for Dissolved Oxygen					
APHA 4500-O D, ASTM D888-09 A					
<i>Traceable to NIST</i>					
LC198401	500mL	Poly Bottle	Not Regulated	36	\$32.50
Potassium Permanganate, ACS					
LC198501	500g	Poly Bottle	UN1490, 5.1, PG II	N/A	\$72.20
Potassium Permanganate, 0.891g/L, for Chlorine					
APHA 4500-Cl G					
<i>Traceable to NIST</i>					
LC198601	500mL	Amber Glass	Not Regulated	24	\$24.00
LC198602	1L	Amber Glass	Not Regulated	24	\$35.30
Potassium Permanganate, 0.63% w/v, for Dissolved Oxygen					
APHA 4500-O D, ASTM D888-09 A					
LC199001	500mL	Amber Glass	Not Regulated	24	\$28.10
Potassium Permanganate, 4% w/v, for Chromium					
APHA 3500-Cr B					
LC199301	500mL	Amber Glass	Not Regulated	24	\$33.20
LC199302	1L	Amber Glass	Not Regulated	24	\$56.00

Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2021 Price
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	\$30.30
LC199402	1L	Amber Glass	Not Regulated	24	\$44.80
LC199404	4L	Amber Glass	Not Regulated	24	\$131.70
Potassium Permanganate, 0.01N (0.002M)					
<i>Traceable to NIST</i>					
LC199502	1L	Amber Glass	Not Regulated	12	\$24.40
LC199504	4L	Amber Glass	Not Regulated	12	\$61.10
Potassium Permanganate, 0.05N (0.01M)					
<i>Traceable to NIST</i>					
LC199602	1L	Amber Glass	Not Regulated	12	\$26.20
LC199604	4L	Amber Glass	Not Regulated	12	\$64.40
Potassium Permanganate, 0.1N (0.02M)					
<i>Traceable to NIST</i>					
LC199801	500mL	Amber Glass	Not Regulated	12	\$20.20
LC199802	1L	Amber Glass	Not Regulated	12	\$22.60
LC199804	4L	Amber Glass	Not Regulated	12	\$61.50
LC199806	10L	Cubitainer®	Not Regulated	12	\$111.50
Potassium Permanganate, 0.18N (0.036M)					
<i>Traceable to NIST</i>					
LC199902	1L	Amber Glass	Not Regulated	12	\$32.90
LC199904	4L	Amber Glass	Not Regulated	12	\$78.50
Potassium Permanganate, 0.2N (0.040M)					
<i>Traceable to NIST</i>					
LC200001	500mL	Amber Glass	Not Regulated	12	\$25.30
LC200002	1L	Amber Glass	Not Regulated	12	\$30.50
LC200004	4L	Amber Glass	Not Regulated	12	\$76.00
LC200006	10L	Cubitainer®	Not Regulated	12	\$180.00
Potassium Permanganate, 0.5N (0.1M)					
<i>Traceable to NIST</i>					
LC200302	1L	Amber Glass	Not Regulated	12	\$36.00
LC200304	4L	Amber Glass	Not Regulated	12	\$101.40
LC200306	10L	Cubitainer®	Not Regulated	12	\$214.10

Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2021 Price
Potassium Permanganate, 0.588N (0.1176M)					
<i>Traceable to NIST</i>					
LC200402	1L	Amber Glass	Not Regulated	12	\$44.90
LC200404	4L	Amber Glass	Not Regulated	12	\$93.70
Potassium Permanganate, 1.0N (0.2M)					
<i>Traceable to NIST</i>					
LC200501	500mL	Amber Glass	Not Regulated	12	\$27.00
LC200502	1L	Amber Glass	Not Regulated	12	\$39.80
LC200504	4L	Amber Glass	Not Regulated	12	\$106.70
LC200506	10L	Cubitainer®	Not Regulated	12	\$193.10
Potassium Persulfate, ACS					
LC200701	500g	Poly Bottle	UN1492, 5.1, PG III	N/A	\$130.40
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	\$29.90
LC200802	1L	Amber Glass	Not Regulated	12	\$41.60
Potassium Phosphate, Dibasic, ACS					
LC200901	500g	Poly Bottle	Not Regulated	N/A	\$101.40
Potassium Phosphate, Monobasic, ACS					
LC200951	500g	Poly Bottle	Not Regulated	N/A	\$56.30
Potassium Pyrosulfate, ACS					
TAPPI T627 om-02, T618 cm-01					
LC200981	500g	Amber Glass	UN3260, 8, PG III	N/A	\$162.00
Potassium Sodium Tartrate – See Sodium Potassium Tartrate, Page 95.					
Potassium Thiocyanate, ACS					
LC201201	500g	Poly Bottle	Not Regulated	N/A	\$110.20
Potassium Thiocyanate, 4% w/v, for Iodide					
APHA 4500-I ⁻ C					
<i>Traceable to NIST</i>					
LC201301	500mL	Poly Bottle	Not Regulated	24	\$36.70
Potassium Thiocyanate, 10% w/v					
<i>Traceable to NIST</i>					
LC221401	500mL	Poly Bottle	Not Regulated	24	\$47.50
LC221402	1L	Poly Bottle	Not Regulated	24	\$69.70
LC221404	4L	Poly Bottle	Not Regulated	24	\$137.10

Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2021 Price
Potassium Thiocyanate, 0.1N (0.1M)					
<i>Traceable to NIST</i>					
LC221701	500mL	Poly Bottle	Not Regulated	12	\$30.60
LC221702	1L	Poly Bottle	Not Regulated	12	\$39.90
LC221704	4L	Poly Bottle	Not Regulated	12	\$88.50

2-Propanol – See Isopropyl Alcohol, Page 50.

Pyridine, ACS

LC221802	1L	Amber Glass	UN1282, 3, PG II	N/A	\$175.30
LC221804	4L	Amber Glass	UN1282, 3, PG II	N/A	\$371.50

Pyridine-Barbituric Acid Reagent, for Cyanide

APHA 4500-CN ⁻ E, H, I, K				Refrigerated Item	
LC221901	500mL	Amber Glass	Not Regulated	2	\$57.20
LC221902	1L	Amber Glass	Not Regulated	2	\$99.00

Reagent Alcohol

LC222001	500mL	Poly Bottle	UN1987, 3, PG II	N/A	\$28.20
LC222002	1L	Poly Bottle	UN1987, 3, PG II	N/A	\$40.60
LC222004	4L	Poly Bottle	UN1987, 3, PG II	N/A	\$77.80
LC222006	10L	Cubitainer®	UN1987, 3, PG II	N/A	\$123.30
LC222005	20L	Cubitainer®	UN1987, 3, PG II	N/A	\$228.00

Reagent Alcohol, ACS

LC222054	4L	Poly Bottle	UN1987, 3, PG II	N/A	\$102.90
LC2220544	4X4L	Poly Bottle	UN1987, 3, PG II	N/A	\$357.40

Reagent Alcohol, 50% v/v

LC222201	500mL	Poly Bottle	UN1987, 3, PG III	24	\$30.70
LC222204	4L	Poly Bottle	UN1987, 3, PG III	24	\$62.50
LC222205	20L	Cubitainer®	UN1987, 3, PG III	24	\$209.20

Reagent Alcohol, 70% v/v

LC222102	1L	Poly Bottle	UN1987, 3, PG III	24	\$24.40
LC222104	4L	Poly Bottle	UN1987, 3, PG III	24	\$50.40
LC222105	20L	Cubitainer®	UN1987, 3, PG III	24	\$208.30

Rhodanine

LC222408	25g	Amber Glass	Not Regulated	N/A	\$55.00
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Rhodanine Indicator, 0.02% w/v

LC222507	125mL	Poly Bottle	Not Regulated	24	\$42.70
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Rochelle Salt Solutions – See Sodium Potassium Tartrate, Page 95.

Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2021 Price
Safranin O					
LC223408	25g	Amber Glass	Not Regulated	N/A	\$83.80
Safranin, 1% w/v Alcoholic					
LC223601	500mL	Poly Bottle	UN1170, 3, PG II	24	\$33.20
Safranin, 1% w/v Aqueous					
LC223507	125mL	Poly Bottle	Not Regulated	24	\$19.50
LC223501	500mL	Poly Bottle	Not Regulated	24	\$33.20
Selenium AA Standard, 1000ppm (1 mL = 1 mg Se)					
LC223707	125mL	Poly Bottle	UN3264, 8, PG II	24	\$38.00
LC223701	500mL	Poly Bottle	UN3264, 8, PG II	24	\$82.00
Silica Standard, 1000ppm (1 mL = 1 mg SiO₂)					
<i>Traceable to NIST</i>					
LC223907	125mL	Poly Bottle	Not Regulated	12	\$30.60
LC223901	500mL	Poly Bottle	Not Regulated	12	\$50.70
Silicon AA Standard, 1000ppm (1 mL = 1 mg Si)					
<i>Traceable to NIST</i>					
LC224007	125mL	Poly Bottle	Not Regulated	24	\$26.20
LC224001	500mL	Poly Bottle	Not Regulated	24	\$53.80
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)					
<i>Traceable to NIST</i>					
LC224207	125mL	Amber Glass	Not Regulated	24	\$45.60
LC224201	500mL	Amber Glass	Not Regulated	24	\$80.80
Silver Diethyldithiocarbamate, ACS					
LC224258	25g	Amber Glass	Not Regulated	Refrigerated Item N/A	\$373.20
Silver Diethyldithiocarbamate, 0.3% in Chloroform, for Arsenic					
APHA 3500-As B					
LC224301	500mL	Amber Glass	UN1888, 6.1, PG III	Refrigerated Item 24	\$182.40
Silver Nitrate, ACS					
LC225009	100g	Amber Glass	UN1493, 5.1, PG II	N/A	\$480.40
LC225001	500g	Amber Glass	UN1493, 5.1, PG II	N/A	\$2,027.70

Looking for Safety Data Sheets (SDS) or Certificates of Analysis (CofA)? Please visit LabChem.com.

Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2021 Price
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Silver Nitrate Solutions Are Available in Any Size or Concentration.
Please Call or Email info@LabChem.com for a Custom Quotation.

Silver Nitrate, 10% w/v

Traceable to NIST

LC225507	125mL	Amber Glass	Not Regulated	24	\$100.00
LC225501	500mL	Amber Glass	Not Regulated	24	\$368.50
LC225502	1L	Amber Glass	Not Regulated	24	\$652.30

Silver Nitrate, 0.0025N (0.0025M) in Methanol

Traceable to NIST

LC227422	1L	Amber Glass	UN1993, 3, PG II	12	\$57.10
LC227424	4L	Amber Poly	UN1993, 3, PG II	12	\$160.50

Silver Nitrate, 0.01N (0.01M)

Traceable to NIST

LC225902	1L	Amber Glass	Not Regulated	24	\$38.50
LC225904	4L	Amber Poly	Not Regulated	24	\$112.10

Silver Nitrate, 0.01N (0.01M) in Isopropanol

Traceable to NIST

LC227451	500mL	Amber Glass	UN1993, 3, PG II	12	\$54.30
LC227452	1L	Amber Glass	UN1993, 3, PG II	12	\$67.90
LC227454	4L	Amber Poly	UN1993, 3, PG II	12	\$205.50

Silver Nitrate, 0.0141N (0.0141M), for Chloride, (1 mL = 0.5mg Cl⁻)

APHA 4500-Cl⁻ B, D

Traceable to NIST

LC226001	500mL	Amber Glass	Not Regulated	18	\$29.70
LC226002	1L	Amber Glass	Not Regulated	18	\$50.20
LC226004	4L	Amber Poly	Not Regulated	18	\$99.60
LC226006	10L	Cubitainer®	Not Regulated	18	\$210.20
LC226005	20L	Cubitainer®	Not Regulated	18	\$392.10

Silver Nitrate, 0.0171N (0.0171M) (1mL = 1mg NaCl)

Traceable to NIST

LC226202	1L	Amber Glass	Not Regulated	18	\$35.80
LC226204	4L	Amber Poly	Not Regulated	18	\$109.90
LC226205	20L	Cubitainer®	Not Regulated	18	\$411.80

Silver Nitrate, 0.0192N (0.0192M), for Cyanide, (1mL = 1mg CN⁻)

APHA 4500-CN⁻ D

Traceable to NIST

LC226301	500mL	Amber Glass	Not Regulated	18	\$37.00
LC226302	1L	Amber Glass	Not Regulated	18	\$51.80

Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2021 Price
Silver Nitrate, 0.025N (0.025M)					
ASTM D512-12 B					
<i>Traceable to NIST</i>					
LC226401	500mL	Amber Glass	Not Regulated	18	\$42.00
LC226402	1L	Amber Glass	Not Regulated	18	\$53.90
LC226404	4L	Amber Poly	Not Regulated	18	\$124.80
Silver Nitrate, 0.0282N (0.0282M) (1mL = 1mg Cl⁻)					
<i>Traceable to NIST</i>					
LC226501	500mL	Amber Glass	Not Regulated	18	\$43.20
LC226502	1L	Amber Glass	Not Regulated	18	\$60.50
LC226504	4L	Amber Poly	Not Regulated	18	\$123.50
Silver Nitrate, 0.045N (0.045M)					
<i>Traceable to NIST</i>					
LC226604	4L	Amber Poly	Not Regulated	24	\$196.70
Silver Nitrate, 0.05N (0.05M)					
<i>Traceable to NIST</i>					
LC226701	500mL	Amber Glass	Not Regulated	24	\$55.10
LC226702	1L	Amber Glass	Not Regulated	24	\$71.60
LC226704	4L	Amber Poly	Not Regulated	24	\$221.90
LC226705	20L	Cubitainer®	Not Regulated	24	\$777.70
Silver Nitrate, 0.1N (0.1M)					
<i>Traceable to NIST</i>					
LC227001	500mL	Amber Glass	Not Regulated	24	\$61.20
LC227002	1L	Amber Glass	Not Regulated	24	\$82.20
LC227004	4L	Amber Poly	Not Regulated	24	\$274.20
LC227006	10L	Cubitainer®	Not Regulated	24	\$623.20
LC227005	20L	Cubitainer®	Not Regulated	24	\$1,179.60
Silver Nitrate, 0.141N (0.141M) (1mL = 5mg Cl⁻)					
<i>Traceable to NIST</i>					
LC227101	500mL	Amber Glass	Not Regulated	24	\$103.50
LC227102	1L	Amber Glass	Not Regulated	24	\$168.00
LC227104	4L	Amber Poly	Not Regulated	24	\$544.80
Silver Nitrate, 0.153N (0.153M)					
<i>Traceable to NIST</i>					
LC227151	500mL	Amber Glass	Not Regulated	24	\$112.00
LC227152	1L	Amber Glass	Not Regulated	24	\$195.40
LC227154	4L	Amber Poly	Not Regulated	24	\$582.10

Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2021 Price
Silver Nitrate, 0.171N (0.171M) (1mL = 10mg NaCl)					
<i>Traceable to NIST</i>					
LC227202	1L	Amber Glass	Not Regulated	24	\$219.80
LC227204	4L	Amber Poly	Not Regulated	24	\$624.20
LC227205	20L	Cubitainer®	Not Regulated	24	\$2,362.70
Silver Nitrate, 0.282N (0.282M) (1mL = 10mg Cl⁻)					
<i>Traceable to NIST</i>					
LC227251	500mL	Amber Glass	Not Regulated	24	\$182.70
LC227252	1L	Amber Glass	Not Regulated	24	\$306.90
LC227254	4L	Amber Poly	Not Regulated	24	\$1,090.80
Silver Nitrate, 0.5N (0.5M)					
<i>Traceable to NIST</i>					
LC227301	500mL	Amber Glass	Not Regulated	24	\$309.50
LC227302	1L	Amber Glass	Not Regulated	24	\$545.40
Silver Nitrate, 1.0N (1.0M)					
<i>Traceable to NIST</i>					
LC227401	500mL	Amber Glass	Not Regulated	24	\$379.90
LC227402	1L	Amber Glass	Not Regulated	24	\$728.30
Silver Nitrate–Nitric Acid, for Sulfate					
APHA 4500–SO ₄ ²⁻ C, D					
LC227501	500mL	Amber Glass	Not Regulated	24	\$122.00
Silver Sulfate, ACS					
LC227558	25g	Amber Glass	Not Regulated	N/A	\$166.40
Silver Sulfate–Sulfuric Acid, for COD					
APHA 5220 B,C,D, ASTM D1252–00 A					
LC227601	500mL	Amber Glass	UN1830, 8, PG II	24	\$167.70
Sodium AA Standard, 1000ppm (1mL = 1mg Na)					
<i>Traceable to NIST</i>					
LC228107	125mL	Poly Bottle	Not Regulated	24	\$28.90
LC228101	500mL	Poly Bottle	Not Regulated	24	\$52.50
Sodium Acetate, Trihydrate, ACS					
LC228201	500g	Poly Bottle	Not Regulated	N/A	\$40.80
Sodium Acetate, 20% w/w, for Iron					
APHA 3500–Fe D					
<i>Traceable to NIST</i>					
LC228301	500mL	Poly Bottle	Not Regulated	12	\$53.10
LC228304	4L	Poly Bottle	Not Regulated	12	\$217.80

Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2021 Price
Sodium Acetate, 0.2M (0.2N), for Arsenic					
APHA 3500-As B <i>Traceable to NIST</i>					
LC228401	500mL	Poly Bottle	Not Regulated	24	\$43.70
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	\$39.10
LC228502	1L	Poly Bottle	Not Regulated	24	\$67.90
LC228504	4L	Poly Bottle	Not Regulated	24	\$161.50
Sodium Arsenite					
LC228709	100g	Poly Bottle	UN2027, 6.1, PG II	N/A	\$256.90
Sodium Arsenite, 0.5% w/v, for Residual Chlorine, Chlorine Dioxide					
APHA 4500-CI F,G, 4500-CIO ₂ D (20th Ed.)					
LC228801	500mL	Poly Bottle	Not Regulated	24	\$50.20
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	\$46.40
LC229002	1L	Poly Bottle	Not Regulated	24	\$73.40
Sodium Azide, 0.5% w/v, for Chromium					
APHA 3500-Cr B					
LC229401	500mL	Poly Bottle	Not Regulated	24	\$41.10
LC229402	1L	Poly Bottle	Not Regulated	24	\$46.50
Sodium Bicarbonate, ACS					
LC229431	500g	Poly Bottle	Not Regulated	N/A	\$29.70
Sodium Bicarbonate, 5.5% w/v, for Chlorine Dioxide					
APHA ClO ₂ D (20th Ed.)				Refrigerated Item	
LC229451	500mL	Poly Bottle	Not Regulated	24	\$24.00
Sodium Bicarbonate, Saturated, for Neutralization					
LC229471	500mL	Poly Bottle	Not Regulated	24	\$25.60
LC229474	4L	Poly Bottle	Not Regulated	24	\$56.30
Sodium Bicarbonate-Sodium Chloride Solution					
TAPPI T237 cm-98					
LC229482	1L	Poly Bottle	Not Regulated	24	\$29.50
Sodium Borate, Decahydrate, ACS					
LC229551	500g	Poly Bottle	Not Regulated	N/A	\$51.30

Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2021 Price
Sodium Borate, 40g/L					
<i>Traceable to NIST</i>					
LC229601	500mL	Poly Bottle	Not Regulated	24	\$52.50
Sodium Borate Buffer Solution					
TAPPI T226 cm-01					
LC229622	1L	Poly Bottle	Not Regulated	24	\$46.80
Sodium Bromide, ACS					
LC229611	500g	Poly Bottle	Not Regulated	N/A	\$53.70
Sodium Carbonate, Anhydrous, ACS					
LC229651	500g	Poly Bottle	Not Regulated	N/A	\$42.80
Sodium Carbonate, 0.53% w/v					
TAPPI T684 om-02					
LC229752	1L	Poly Bottle	Not Regulated	24	\$28.10
Sodium Carbonate, 5% w/v					
<i>Traceable to NIST</i>					
LC229702	1L	Poly Bottle	Not Regulated	24	\$32.00
Sodium Carbonate, 10% w/v					
<i>Traceable to NIST</i>					
LC229801	500mL	Poly Bottle	Not Regulated	24	\$29.30
LC229804	4L	Poly Bottle	Not Regulated	24	\$72.60
Sodium Carbonate, 0.02N (0.01M)					
<i>Traceable to NIST</i>					
LC229901	500mL	Poly Bottle	Not Regulated	12	\$43.10
Sodium Carbonate, 0.025N (0.0125M)					
<i>Traceable to NIST</i>					
LC230001	500mL	Poly Bottle	Not Regulated	12	\$25.90
Sodium Carbonate, 0.0455N (0.02275M)					
<i>Traceable to NIST</i>					
LC230201	500mL	Poly Bottle	Not Regulated	12	\$25.90
LC230202	1L	Poly Bottle	Not Regulated	12	\$35.80
Sodium Carbonate, 0.1N (0.05M)					
<i>Traceable to NIST</i>					
LC233501	500mL	Poly Bottle	Not Regulated	12	\$30.30
LC233502	1L	Poly Bottle	Not Regulated	12	\$37.30
LC233504	4L	Poly Bottle	Not Regulated	12	\$45.20

Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2021 Price
Sodium Carbonate, 1.0N (0.5M)					
<i>Traceable to NIST</i>					
LC233801	500mL	Poly Bottle	Not Regulated	12	\$28.60
LC233802	1L	Poly Bottle	Not Regulated	12	\$40.50
LC233804	4L	Poly Bottle	Not Regulated	12	\$114.20
Sodium Carbonate, 1.0M (2.0N)					
TAPPI T624 cm-00					
<i>Traceable to NIST</i>					
LC233902	1L	Poly Bottle	Not Regulated	12	\$58.00
Sodium Chloride, ACS					
LC234201	500g	Poly Bottle	Not Regulated	N/A	\$35.40
Sodium Chloride, 0.85% w/v, Non-Sterile					
<i>Traceable to NIST</i>					
LC234501	500mL	Poly Bottle	Not Regulated	24	\$19.60
LC234502	1L	Poly Bottle	Not Regulated	24	\$24.70
LC234504	4L	Poly Bottle	Not Regulated	24	\$37.90
LC234505	20L	Cubitainer®	Not Regulated	24	\$112.80
Sodium Chloride, 0.9% w/v, Non-Sterile					
<i>Traceable to NIST</i>					
LC234601	500mL	Poly Bottle	Not Regulated	24	\$16.30
LC234602	1L	Poly Bottle	Not Regulated	24	\$22.40
LC234604	4L	Poly Bottle	Not Regulated	24	\$39.20
LC234606	10L	Cubitainer®	Not Regulated	24	\$93.90
LC234605	20L	Cubitainer®	Not Regulated	24	\$101.40
Sodium Chloride, 5% w/v					
ASTM D2187-94					
<i>Traceable to NIST</i>					
LC234801	500mL	Poly Bottle	Not Regulated	24	\$22.70
LC234802	1L	Poly Bottle	Not Regulated	24	\$37.60
Sodium Chloride, 9% w/v					
<i>Traceable to NIST</i>					
LC234854	4L	Poly Bottle	Not Regulated	24	\$37.50
Sodium Chloride, 20% w/v, for Iodide					
APHA 4500-I ⁻ C					
<i>Traceable to NIST</i>					
LC235001	500mL	Poly Bottle	Not Regulated	24	\$30.30
LC235002	1L	Poly Bottle	Not Regulated	24	\$50.20

Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2021 Price
Sodium Chloride, 240g/L, for Sulfate (Contains Hydrochloric Acid)					
ASTM D516-90					
LC235101	500mL	Poly Bottle	UN1789, 8, PG III	36	\$61.10
Sodium Chloride, 25% w/v					
<i>Traceable to NIST</i>					
LC235201	500mL	Poly Bottle	Not Regulated	24	\$56.30
LC235204	4L	Poly Bottle	Not Regulated	24	\$149.30
Sodium Chloride, 30% w/v					
<i>Traceable to NIST</i>					
LC235401	500mL	Poly Bottle	Not Regulated	36	\$53.80
LC235404	4L	Poly Bottle	Not Regulated	36	\$149.30
Sodium Chloride, 0.0141N (0.0141M) – See Chloride Standard, Page 25.					
Sodium Chloride, 0.025N (0.025M), for Chloride					
ASTM D512-12 A, B					
<i>Traceable to NIST</i>					
LC235501	500mL	Poly Bottle	Not Regulated	12	\$36.70
Sodium Chloride, 0.1N (0.1M)					
<i>Traceable to NIST</i>					
LC235701	500mL	Poly Bottle	Not Regulated	24	\$29.80
LC235702	1L	Poly Bottle	Not Regulated	24	\$49.40
Sodium Chloride, 1.0N (1.0M)					
<i>Traceable to NIST</i>					
LC235802	1L	Poly Bottle	Not Regulated	24	\$51.30
Sodium Chloride – Hydroxylamine Sulfate, for Metals					
APHA 3112 B					
LC236001	500mL	Poly Bottle	Not Regulated	24	\$83.10
LC236002	1L	Poly Bottle	Not Regulated	24	\$125.20
Sodium Chlorite, Technical, 80%					
TAPPI T259 sp-98					
LC236201	500g	Poly Bottle	UN1496, 5.1, PG II	N/A	\$169.00
Sodium Citrate, Dihydrate, ACS					
LC236501	500g	Poly Bottle	Not Regulated	N/A	\$38.90
Sodium Citrate, 30% w/v, for Copper					
APHA 3500-Cu B, C					
LC236602	1L	Poly Bottle	Not Regulated	24	\$187.80

Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2021 Price
Sodium Cyanide, 2.5% w/v, for Calcium, Magnesium					
ASTM D511-09 A					
LC237007	125mL	Poly Bottle	UN3414, 6.1, PG III	24	\$27.10
Sodium Diethyldithiocarbamate, 0.1% w/v					
LC237201	500mL	Amber Poly	Not Regulated	3	\$44.30
Sodium Hydroxide, ACS, Pellets					
LC239001	500g	Poly Bottle	UN1823, 8, PG II	N/A	\$36.20
LC239002	1kg	Poly Bottle	UN1823, 8, PG II	N/A	\$65.60
Sodium Hydroxide Solutions Are Available in Any Size or Concentration. Please Call or Email info@LabChem.com for a Custom Quotation.					
Sodium Hydroxide, 1.6g/L, Dilution Solution for Cyanide					
APHA 4500-CN ⁻ D, E, F					
<i>Traceable to NIST</i>					
LC239502	1L	Poly Bottle	Not Regulated	24	\$42.80
Sodium Hydroxide, 1% w/v					
ASTM D512-12 A					
<i>Traceable to NIST</i>					
LC240001	500mL	Poly Bottle	UN1824, 8, PG III	24	\$18.30
LC240002	1L	Poly Bottle	UN1824, 8, PG III	24	\$28.70
LC240004	4L	Poly Bottle	UN1824, 8, PG III	24	\$66.80
LC240005	20L	Cubitainer®	UN1824, 8, PG III	24	\$145.70
Sodium Hydroxide, 5% w/v					
<i>Traceable to NIST</i>					
LC240402	1L	Poly Bottle	UN1824, 8, PG II	24	\$29.50
LC240404	4L	Poly Bottle	UN1824, 8, PG II	24	\$65.10
Sodium Hydroxide, 8% w/v, for Calcium, Magnesium					
ASTM D511-09 A					
<i>Traceable to NIST</i>					
LC240602	1L	Poly Bottle	UN1824, 8, PG II	24	\$29.50
Sodium Hydroxide, 10% w/v					
<i>Traceable to NIST</i>					
LC240701	500mL	Poly Bottle	UN1824, 8, PG II	24	\$20.30
LC240702	1L	Poly Bottle	UN1824, 8, PG II	24	\$26.50
LC240704	4L	Poly Bottle	UN1824, 8, PG II	24	\$61.30
LC240705	20L	Cubitainer®	UN1824, 8, PG II	24	\$192.20

Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2021 Price
Sodium Hydroxide, 10% w/w					
<i>Traceable to NIST</i>					
LC240752	1L	Poly Bottle	UN1824, 8, PG II	24	\$28.10
LC240754	4L	Poly Bottle	UN1824, 8, PG II	24	\$62.00
LC240755	20L	Cubitainer®	UN1824, 8, PG II	24	\$189.70
LC24075200	200L	Poly Drum	UN1824, 8, PG II	24	\$1,057.30
Sodium Hydroxide, 17.5% w/w (5.24N) (5.24M)					
TAPPI T429 cm-01					
<i>Traceable to NIST</i>					
LC240782	1L	Poly Bottle	UN1824, 8, PG II	24	\$56.10
Sodium Hydroxide, 18% w/w (5.39N) (5.39M)					
TAPPI T235 cm-00					
<i>Traceable to NIST</i>					
LC240852	1L	Poly Bottle	UN1824, 8, PG II	24	\$59.90
Sodium Hydroxide, 20% w/v					
<i>Traceable to NIST</i>					
LC240901	500mL	Poly Bottle	UN1824, 8, PG II	24	\$25.70
LC240902	1L	Poly Bottle	UN1824, 8, PG II	24	\$36.30
LC240904	4L	Poly Bottle	UN1824, 8, PG II	24	\$65.90
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, PG II	24	\$61.10
Sodium Hydroxide, 24% w/v					
<i>Traceable to NIST</i>					
LC241002	1L	Poly Bottle	UN1824, 8, PG II	24	\$51.30
Sodium Hydroxide, 30% w/v					
<i>Traceable to NIST</i>					
LC241101	500mL	Poly Bottle	UN1824, 8, PG II	24	\$38.80
LC241102	1L	Poly Bottle	UN1824, 8, PG II	24	\$59.20
LC241104	4L	Poly Bottle	UN1824, 8, PG II	24	\$78.20
Sodium Hydroxide, 33% w/w					
<i>Traceable to NIST</i>					
LC241154	4L	Poly Bottle	UN1824, 8, PG II	24	\$68.10
LC241155	20L	Cubitainer®	UN1824, 8, PG II	24	\$205.20

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Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2021 Price
Sodium Hydroxide, 40% w/w, for Kjeldahl Nitrogen					
<i>Traceable to NIST</i>					
LC241201	500mL	Poly Bottle	UN1824, 8, PG II	24	\$26.80
LC241202	1L	Poly Bottle	UN1824, 8, PG II	24	\$42.90
LC241204	4L	Poly Bottle	UN1824, 8, PG II	24	\$58.70
LC241206	10L	Cubitainer®	UN1824, 8, PG II	24	\$122.20
LC241205	20L	Poly Drum	UN1824, 8, PG II	24	\$235.00
Sodium Hydroxide, 50% w/v					
<i>Traceable to NIST</i>					
LC241401	500mL	Poly Bottle	UN1824, 8, PG II	24	\$39.30
LC241402	1L	Poly Bottle	UN1824, 8, PG II	24	\$63.70
LC241404	4L	Poly Bottle	UN1824, 8, PG II	24	\$72.00
LC241406	10L	Cubitainer®	UN1824, 8, PG II	24	\$290.00
LC241405	20L	Poly Drum	UN1824, 8, PG II	24	\$558.00
Sodium Hydroxide, 50% w/w, Reagent Grade					
<i>Traceable to NIST</i>					
LC241501	500mL	Poly Bottle	UN1824, 8, PG II	N/A	\$28.60
LC241502	1L	Poly Bottle	UN1824, 8, PG II	N/A	\$67.80
LC241504	4L	Poly Bottle	UN1824, 8, PG II	N/A	\$105.50
LC241506	10L	Cubitainer®	UN1824, 8, PG II	N/A	\$263.20
LC241505	20L	Poly Drum	UN1824, 8, PG II	N/A	\$423.40
LC24150200	200L	Poly Drum	UN1824, 8, PG II	N/A	\$1,850.30
Sodium Hydroxide, 0.01N (0.01M)					
<i>Traceable to NIST</i>					
LC242001	500mL	Poly Bottle	Not Regulated	24	\$18.80
LC242002	1L	Poly Bottle	Not Regulated	24	\$24.70
LC242004	4L	Poly Bottle	Not Regulated	24	\$51.60
Sodium Hydroxide, 0.01N (0.01M) in Methanol					
<i>Traceable to NIST</i>					
LC245202	1L	Poly Bottle	UN1993, 3, PG II	12	\$39.90
LC245204	4L	Poly Bottle	UN1993, 3, PG II	12	\$72.60
Sodium Hydroxide, 0.02N (0.02M)					
<i>Traceable to NIST</i>					
LC242201	500mL	Poly Bottle	Not Regulated	24	\$18.70
LC242202	1L	Poly Bottle	Not Regulated	24	\$23.60
LC242204	4L	Poly Bottle	Not Regulated	24	\$52.90

Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2021 Price
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, PG II	12	\$101.40
Sodium Hydroxide, 0.0227N (0.0227M)					
<i>Traceable to NIST</i>					
LC242301	500mL	Poly Bottle	Not Regulated	24	\$23.30
LC242302	1L	Poly Bottle	Not Regulated	24	\$28.10
LC242305	20L	Cubitainer®	Not Regulated	24	\$155.30
Sodium Hydroxide, 0.05N (0.05M)					
<i>Traceable to NIST</i>					
LC242501	500mL	Poly Bottle	Not Regulated	24	\$16.40
LC242502	1L	Poly Bottle	Not Regulated	24	\$24.80
LC242504	4L	Poly Bottle	Not Regulated	24	\$51.30
LC242505	20L	Cubitainer®	Not Regulated	24	\$144.50
Sodium Hydroxide, 0.1N (0.1M)					
<i>Traceable to NIST</i>					
LC242701	500mL	Poly Bottle	Not Regulated	24	\$20.10
LC242702	1L	Poly Bottle	Not Regulated	24	\$23.20
LC242704	4L	Poly Bottle	Not Regulated	24	\$46.40
LC242706	10L	Cubitainer®	Not Regulated	24	\$114.80
LC242705	20L	Cubitainer®	Not Regulated	24	\$127.30
Sodium Hydroxide, 0.1N (0.1M) in Methanol					
<i>Traceable to NIST</i>					
LC245502	1L	Poly Bottle	UN1993, 3, PG II	12	\$63.80
LC245504	4L	Poly Bottle	UN1993, 3, PG II	12	\$131.00
Sodium Hydroxide, 0.125N (0.125M)					
TAPPI T604 om-00					
<i>Traceable to NIST</i>					
LC242752	1L	Poly Bottle	UN1824, 8, PG III	24	\$45.40
Sodium Hydroxide, 0.2N (0.2M)					
<i>Traceable to NIST</i>					
LC242801	500mL	Poly Bottle	UN1824, 8, PG III	24	\$20.60
LC242802	1L	Poly Bottle	UN1824, 8, PG III	24	\$23.70
LC242804	4L	Poly Bottle	UN1824, 8, PG III	24	\$51.00
LC242805	20L	Cubitainer®	UN1824, 8, PG III	24	\$145.70

Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2021 Price
Sodium Hydroxide, 0.25N (0.25M)					
<i>Traceable to NIST</i>					
LC243001	500mL	Poly Bottle	UN1824, 8, PG III	24	\$20.20
LC243002	1L	Poly Bottle	UN1824, 8, PG III	24	\$24.20
LC243004	4L	Poly Bottle	UN1824, 8, PG III	24	\$52.30
LC243006	10L	Cubitainer®	UN1824, 8, PG III	24	\$129.70
LC243005	20L	Cubitainer®	UN1824, 8, PG III	24	\$139.60
Sodium Hydroxide, 0.3125N (0.3125M)					
<i>Traceable to NIST</i>					
LC243052	1L	Poly Bottle	UN1824, 8, PG III	24	\$20.60
LC243054	4L	Poly Bottle	UN1824, 8, PG III	24	\$52.40
LC243055	20L	Cubitainer®	UN1824, 8, PG III	24	\$143.10
Sodium Hydroxide, 0.313N (0.313M)					
<i>Traceable to NIST</i>					
LC243072	1L	Poly Bottle	UN1824, 8, PG III	24	\$21.50
LC243074	4L	Poly Bottle	UN1824, 8, PG III	24	\$57.60
LC243075	20L	Cubitainer®	UN1824, 8, PG III	24	\$146.90
Sodium Hydroxide, 0.333N (0.333M)					
<i>Traceable to NIST</i>					
LC243104	4L	Poly Bottle	UN1824, 8, PG III	24	\$59.30
LC243105	20L	Cubitainer®	UN1824, 8, PG III	24	\$139.60
Sodium Hydroxide, 0.4N (0.4M)					
<i>Traceable to NIST</i>					
LC243202	1L	Poly Bottle	UN1824, 8, PG III	24	\$25.70
LC243204	4L	Poly Bottle	UN1824, 8, PG III	24	\$65.50
LC243205	20L	Cubitainer®	UN1824, 8, PG III	24	\$154.10
Sodium Hydroxide, 0.5N (0.5M)					
<i>Traceable to NIST</i>					
LC243301	500mL	Poly Bottle	UN1824, 8, PG III	24	\$19.10
LC243302	1L	Poly Bottle	UN1824, 8, PG III	24	\$21.90
LC243304	4L	Poly Bottle	UN1824, 8, PG III	24	\$51.30
LC243306	10L	Cubitainer®	UN1824, 8, PG III	24	\$121.30
LC243305	20L	Cubitainer®	UN1824, 8, PG III	24	\$132.00

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Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2021 Price
Sodium Hydroxide, 1.0N (1.0M)					
<i>Traceable to NIST</i>					
LC243501	500mL	Poly Bottle	UN1824, 8, PG II	24	\$17.50
LC243502	1L	Poly Bottle	UN1824, 8, PG II	24	\$22.90
LC243504	4L	Poly Bottle	UN1824, 8, PG II	24	\$54.90
LC243506	10L	Cubitainer®	UN1824, 8, PG II	24	\$104.50
LC243505	20L	Cubitainer®	UN1824, 8, PG II	24	\$126.10
Sodium Hydroxide, 2.0N (2.0M)					
<i>Traceable to NIST</i>					
LC243801	500mL	Poly Bottle	UN1824, 8, PG II	24	\$24.20
LC243802	1L	Poly Bottle	UN1824, 8, PG II	24	\$31.90
LC243804	4L	Poly Bottle	UN1824, 8, PG II	24	\$63.50
LC243805	20L	Cubitainer®	UN1824, 8, PG II	24	\$264.30
Sodium Hydroxide, 2.5N (2.5M)					
<i>Traceable to NIST</i>					
LC244001	500mL	Poly Bottle	UN1824, 8, PG II	24	\$27.00
LC244002	1L	Poly Bottle	UN1824, 8, PG II	24	\$37.10
LC244004	4L	Poly Bottle	UN1824, 8, PG II	24	\$79.60
Sodium Hydroxide, 3.0N (3.0M)					
<i>Traceable to NIST</i>					
LC244201	500mL	Poly Bottle	UN1824, 8, PG II	24	\$26.90
LC244202	1L	Poly Bottle	UN1824, 8, PG II	24	\$35.90
LC244204	4L	Poly Bottle	UN1824, 8, PG II	24	\$75.70
LC244206	10L	Cubitainer®	UN1824, 8, PG II	24	\$157.90
Sodium Hydroxide, 4.0N (4.0M)					
TAPPI T504 cm-97					
<i>Traceable to NIST</i>					
LC244302	1L	Poly Bottle	UN1824, 8, PG II	24	\$47.60
LC244304	4L	Poly Bottle	UN1824, 8, PG II	24	\$107.10
Sodium Hydroxide, 5.0N (5.0M)					
<i>Traceable to NIST</i>					
LC244501	500mL	Poly Bottle	UN1824, 8, PG II	24	\$24.60
LC244502	1L	Poly Bottle	UN1824, 8, PG II	24	\$38.40
LC244504	4L	Poly Bottle	UN1824, 8, PG II	24	\$84.70
LC244505	20L	Cubitainer®	UN1824, 8, PG II	24	\$321.60
Sodium Hydroxide, 5.21N (5.21M)					
TAPPI T203 cm-99					
<i>Traceable to NIST</i>					
LC244554	4L	Poly Bottle	UN1824, 8, PG II	24	\$109.80

Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2021 Price
Sodium Hydroxide, 6.0N (6.0M)					
APHA 4500–Norg B, C					
<i>Traceable to NIST</i>					
LC244601	500mL	Poly Bottle	UN1824, 8, PG II	24	\$29.50
LC244602	1L	Poly Bottle	UN1824, 8, PG II	24	\$39.30
LC244604	4L	Poly Bottle	UN1824, 8, PG II	24	\$86.20
Sodium Hydroxide, 10.0N (10.0M)					
<i>Traceable to NIST</i>					
LC245001	500mL	Poly Bottle	UN1824, 8, PG II	24	\$31.10
LC245002	1L	Poly Bottle	UN1824, 8, PG II	24	\$40.50
LC245004	4L	Poly Bottle	UN1824, 8, PG II	24	\$82.30
LC245006	10L	Cubitainer®	UN1824, 8, PG II	24	\$209.20
LC245005	20L	Cubitainer®	UN1824, 8, PG II	24	\$260.70
Sodium Hydroxide, 12N (12M)					
TAPPI T624 cm–00					
<i>Traceable to NIST</i>					
LC245232	1L	Poly Bottle	UN1824, 8, PG II	24	\$73.00
LC245234	4L	Poly Bottle	UN1824, 8, PG II	24	\$113.80
Sodium Hydroxide, 12.5N (12.5M)					
TAPPI T504 cm–97					
<i>Traceable to NIST</i>					
LC245252	1L	Poly Bottle	UN1824, 8, PG II	24	\$72.00
LC245254	4L	Poly Bottle	UN1824, 8, PG II	24	\$111.30
Sodium Hydroxide Dilution Solution for Cyanide – See Sodium Hydroxide, 1.6g/L, Page 87.					
Sodium Hydroxide–Sodium Thiosulfate, for Nitrogen (Organic)					
APHA 4500–Norg B, C, ASTM D3590–02 A					
<i>Traceable to NIST</i>					
LC246002	1L	Poly Bottle	UN1824, 8, PG II	24	\$42.00
LC246004	4L	Poly Bottle	UN1824, 8, PG II	24	\$57.60
LC246006	10L	Cubitainer®	UN1824, 8, PG II	24	\$113.80
LC246005	20L	Cubitainer®	UN1824, 8, PG II	24	\$183.10
Sodium Hypochlorite, 2–3% w/v					
<i>Traceable to NIST</i>					
LC246401	500mL	Poly Bottle	Not Regulated	12	\$23.30
LC246402	1L	Poly Bottle	Not Regulated	12	\$30.30
LC246404	4L	Poly Bottle	Not Regulated	12	\$51.70

Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2021 Price
Sodium Hypochlorite, 5% w/v, ACS					
<i>Traceable to NIST</i>					
LC246301	500mL	Poly Bottle	Not Regulated	12	\$16.70
LC246302	1L	Poly Bottle	Not Regulated	12	\$24.70
LC246304	4L	Poly Bottle	Not Regulated	12	\$43.90
Sodium Iodide, ACS					
LC246451	500g	Amber Glass	Not Regulated	N/A	\$239.80
Sodium Nitrate, ACS					
LC246501	500g	Poly Bottle	UN1498, 5.1, PG III	N/A	\$89.30
Sodium Nitrate Solution, 5.0M (5.0N), Adjustor for Chloride Specific Ion Electrode					
LC246651	500mL	Poly Bottle	Not Regulated	24	\$64.20
LC246652	1L	Poly Bottle	Not Regulated	24	\$97.50
LC246654	4L	Poly Bottle	Not Regulated	24	\$349.90
Sodium Nitroprusside, Dihydrate, ACS					
LC246909	100g	Amber Glass	UN1588, 6.1, PG III	N/A	\$82.00
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	\$32.90
LC247002	1L	Amber Glass	Not Regulated	12	\$51.30
Sodium Oxalate, ACS					
LC247101	500g	Poly Bottle	Not Regulated	N/A	\$123.60
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	\$35.80
Sodium Phenate Solution, for Nitrogen (Ammonia), Nitrogen (Organic)					
APHA 4500-NH ₃ G, 4500-Norg B					
LC247701	500mL	Poly Bottle	UN1760, 8, PG II	24	\$47.60
LC247702	1L	Poly Bottle	UN1760, 8, PG II	24	\$77.00
Sodium Phosphate, Dibasic, ACS					
LC247741	500g	Poly Bottle	Not Regulated	N/A	\$51.30
Sodium Phosphate, Monobasic, Anhydrous					
LC247751	500g	Poly Bottle	Not Regulated	N/A	\$58.70
Sodium Phosphate Solution, Saturated, for Chlorine Dioxide					
APHA 4500-ClO ₂ E					
LC247802	1L	Poly Bottle	Not Regulated	12	\$60.10

Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2021 Price
Sodium Plumbite – See Doctor's Solution, Page 33.					
Sodium Potassium Tartrate, Tetrahydrate, ACS					
LC247851	500g	Poly Bottle	Not Regulated	N/A	\$118.30
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	\$256.60
Sodium Potassium Tartrate, 30% w/v, for Nitrogen (Ammonia)					
ASTM D1426–08 A				Refrigerated Item	
LC248301	500mL	Poly Bottle	Not Regulated	24	\$53.70
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	\$19.50
LC223101	500mL	Poly Bottle	Not Regulated	24	\$57.50
LC223102	1L	Poly Bottle	Not Regulated	24	\$104.70
Sodium Sulfate, Anhydrous, ACS					
LC248801	500g	Poly Bottle	Not Regulated	N/A	\$46.40
LC248802	1kg	Poly Bottle	Not Regulated	N/A	\$66.80
Sodium Sulfate, Decahydrate, 22.2% w/v					
LC249002	1L	Poly Bottle	Not Regulated	12	\$43.90
Sodium Sulfide, 3% w/v, Solution No. 1 for Zinc					
APHA 3500–Zn E (19th Ed.)					
LC249207	125mL	Poly Bottle	Not Regulated	24	\$25.40
LC249201	500mL	Poly Bottle	Not Regulated	24	\$60.50
LC249202	1L	Poly Bottle	Not Regulated	24	\$88.40
Sodium Sulfite, ACS					
LC249301	500g	Poly Bottle	Not Regulated	N/A	\$28.10
Sodium Sulfite, 2.5% w/v					
TAPPI T624 cm–00					
LC249352	1L	Poly Bottle	Not Regulated	12	\$39.20
Sodium Sulfite, 5% w/v, for Lead					
APHA 3500–Pb B					
LC249401	500mL	Poly Bottle	Not Regulated	24	\$47.10
Sodium Tartrate, Dihydrate, ACS					
LC249451	500g	Poly Bottle	Not Regulated	N/A	\$107.50

Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2021 Price
Sodium Tartrate, 10% w/w, for Nickel					
APHA 3500-Ni D, E (17th Ed.)					
LC249501	500mL	Poly Bottle	Not Regulated	24	\$67.00
Sodium Tetraborate – See Sodium Borate, Page 83–84.					
Sodium Thiocyanate, ACS					
LC249601	500g	Poly Bottle	Not Regulated	N/A	\$101.40
Sodium Thiocyanate, 0.1N (0.1M)					
<i>Traceable to NIST</i>					
LC249701	500mL	Poly Bottle	Not Regulated	4	\$31.60
LC249702	1L	Poly Bottle	Not Regulated	4	\$47.70
LC249704	4L	Poly Bottle	Not Regulated	4	\$125.10
Sodium Thiosulfate, Pentahydrate, ACS					
LC249901	500g	Poly Bottle	Not Regulated	N/A	\$37.50
Sodium Thiosulfate Solutions Are Available in Any Size or Concentration. Please Call or Email info@LabChem.com for a Custom Quotation.					
Sodium Thiosulfate, 8% w/v					
TAPPI T418 cm-97					
LC249952	1L	Poly Bottle	Not Regulated	24	\$33.60
LC249954	4L	Poly Bottle	Not Regulated	24	\$66.10
Sodium Thiosulfate, 0.01N (0.01M)					
<i>Traceable to NIST</i>					
LC250001	500mL	Poly Bottle	Not Regulated	12	\$22.80
LC250002	1L	Poly Bottle	Not Regulated	12	\$33.50
LC250004	4L	Poly Bottle	Not Regulated	12	\$79.60
LC250005	20L	Cubitainer®	Not Regulated	12	\$239.80
Sodium Thiosulfate, 0.025N (0.025M)					
<i>Traceable to NIST</i>					
LC250201	500mL	Poly Bottle	Not Regulated	12	\$18.00
LC250202	1L	Poly Bottle	Not Regulated	12	\$21.90
LC250204	4L	Poly Bottle	Not Regulated	12	\$63.00
LC250206	10L	Cubitainer®	Not Regulated	12	\$129.70
LC250205	20L	Cubitainer®	Not Regulated	12	\$153.00
Sodium Thiosulfate, 0.0375N (0.0375M)					
<i>Traceable to NIST</i>					
LC250302	1L	Poly Bottle	Not Regulated	12	\$26.50
LC250304	4L	Poly Bottle	Not Regulated	12	\$67.10

Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2021 Price
Sodium Thiosulfate, 0.0394N (0.0394M), for Iodine Absorption Number					
ASTM D1510					
<i>Traceable to NIST</i>					
LC250404	4L	Poly Bottle	Not Regulated	12	\$78.30
Sodium Thiosulfate, 0.05N (0.05M)					
<i>Traceable to NIST</i>					
LC250502	1L	Poly Bottle	Not Regulated	12	\$26.60
LC250504	4L	Poly Bottle	Not Regulated	12	\$51.60
Sodium Thiosulfate, 0.1N (0.1M)					
<i>Traceable to NIST</i>					
LC250601	500mL	Poly Bottle	Not Regulated	24	\$17.50
LC250602	1L	Poly Bottle	Not Regulated	24	\$21.70
LC250604	4L	Poly Bottle	Not Regulated	24	\$49.60
LC250606	10L	Cubitainer®	Not Regulated	24	\$93.70
LC250605	20L	Cubitainer®	Not Regulated	24	\$127.80
Sodium Thiosulfate, 0.2N (0.2M)					
<i>Traceable to NIST</i>					
LC250651	500mL	Poly Bottle	Not Regulated	24	\$19.10
LC250652	1L	Poly Bottle	Not Regulated	24	\$26.50
LC250654	4L	Poly Bottle	Not Regulated	24	\$65.20
LC250655	20L	Cubitainer®	Not Regulated	24	\$165.10
Sodium Thiosulfate, 0.5N (0.5M)					
<i>Traceable to NIST</i>					
LC250802	1L	Poly Bottle	Not Regulated	24	\$40.90
LC250804	4L	Poly Bottle	Not Regulated	24	\$100.80
LC250805	20L	Cubitainer®	Not Regulated	24	\$231.20
Sodium Thiosulfate, 1.0N (1.0M)					
<i>Traceable to NIST</i>					
LC251001	500mL	Poly Bottle	Not Regulated	24	\$25.60
LC251002	1L	Poly Bottle	Not Regulated	24	\$35.80
LC251004	4L	Poly Bottle	Not Regulated	24	\$104.50
LC251005	20L	Cubitainer®	Not Regulated	24	\$239.80
Sodium Thiosulfate, 2.0N (2.0M)					
<i>Traceable to NIST</i>					
LC251501	500mL	Poly Bottle	Not Regulated	24	\$41.50
LC251504	4L	Poly Bottle	Not Regulated	24	\$145.70
Stannous Chloride, Dihydrate, ACS					
LC251701	500g	Poly Bottle	UN3260, 8, PG III	N/A	\$151.70

Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2021 Price
Stannous Chloride, 10% w/v					
LC251801	500mL	Amber Glass	UN1789, 8, PG II	24	\$104.50
Stannous Chloride, 40%, for Arsenic					
APHA 3500-As C,D (17th Ed.)					
LC252007	125mL	Amber Glass	UN1789, 8, PG II	24	\$52.10
LC252001	500mL	Amber Glass	UN1789, 8, PG II	24	\$150.80
Stannous Chloride Reagent I, for Phosphorus					
APHA 4500-P D					
LC252301	500mL	Poly Bottle	Not Regulated	24	\$115.10
Stannous Chloride Reagent II, for Phosphorus					
APHA 4500-P D					
LC252401	500mL	Poly Bottle	Not Regulated	24	\$105.10
Starch Indicator, 0.2%, Preserved with Salicylic Acid (Mercury Free)					
TAPPI T236 om-99					
LC252907	125mL	Poly Bottle	Not Regulated	12	\$18.20
Starch Indicator, 0.5%, Preserved with Chloroform (Mercury Free)					
LC253051	500mL	Poly Bottle	Not Regulated	12	\$29.60
LC253052	1L	Poly Bottle	Not Regulated	12	\$40.50
LC253054	4L	Poly Bottle	Not Regulated	12	\$66.30
Starch Indicator, 0.5%, Preserved with Salicylic Acid (Mercury Free)					
LC253001	500mL	Poly Bottle	Not Regulated	12	\$19.50
LC253002	1L	Poly Bottle	Not Regulated	12	\$24.80
LC253004	4L	Poly Bottle	Not Regulated	12	\$63.50
LC253005	20L	Cubitainer®	Not Regulated	12	\$235.00
Starch Indicator, 1%, Preserved with Chloroform (Mercury Free)					
LC253151	500mL	Poly Bottle	Not Regulated	12	\$31.10
LC253152	1L	Poly Bottle	Not Regulated	12	\$44.70
LC253154	4L	Poly Bottle	Not Regulated	12	\$70.40
Starch Indicator, 1%, Preserved with Salicylic Acid (Mercury Free)					
LC253101	500mL	Poly Bottle	Not Regulated	12	\$19.50
LC253102	1L	Poly Bottle	Not Regulated	12	\$23.90
LC253104	4L	Poly Bottle	Not Regulated	12	\$55.00
LC253106	10L	Cubitainer®	Not Regulated	12	\$154.10
LC253105	20L	Cubitainer®	Not Regulated	12	\$238.60
Starch-Iodide Solution (Mercury Free)					
TAPPI T604 om-00					
LC253307	125mL	Poly Bottle	Not Regulated	12	\$32.20

Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2021 Price
Strong Acid Solution, for Phosphorus					
APHA 4500-P B,D					
LC253701	500mL	Poly Bottle	UN2796, 8, PG II	24	\$60.70
Strontium AA Standard, 1000 ppm (1 mL = 1 mg Sr)					
<i>Traceable to NIST</i>					
LC254007	125mL	Poly Bottle	UN3264, 8, PG II	24	\$30.60
LC254001	500mL	Poly Bottle	UN3264, 8, PG II	24	\$51.30
Sulfamic Acid, ACS					
LC254209	100g	Poly Bottle	UN2967, 8, PG III	N/A	\$41.20
LC254201	500g	Poly Bottle	UN2967, 8, PG III	N/A	\$119.50
Sulfanilamide					
LC254409	100g	Amber Glass	Not Regulated	N/A	\$24.20
Sulfanilamide, 1% w/v, for Nitrogen (Nitrate/Nitrite)					
APHA 16th Ed.					
LC254501	500mL	Amber Poly	UN1789, 8, PG II	24	\$50.20
LC254502	1L	Amber Poly	UN1789, 8, PG II	24	\$72.60
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, PG III	3	\$84.60
LC254602	1L	Amber Poly	UN1805, 8, PG III	3	\$145.70
Sulfate Standard, 100 ppm (1 mL = 0.1 mg SO₄)					
LC255001	500mL	Poly Bottle	Not Regulated	12	\$37.80
LC255002	1L	Poly Bottle	Not Regulated	12	\$62.50
Sulfate Standard, 1000 ppm (1 mL = 1 mg SO₄)					
LC255101	500mL	Poly Bottle	Not Regulated	24	\$45.40
LC255102	1L	Poly Bottle	Not Regulated	24	\$75.60
Sulfosalicylic Acid, Dihydrate, ACS					
LC255201	500g	Amber Glass	Not Regulated	24	\$177.40
Sulfosalicylic Acid, 3% w/v					
<i>Traceable to NIST</i>					
LC255301	500mL	Amber Poly	Not Regulated	24	\$28.30
LC255302	1L	Amber Poly	Not Regulated	24	\$42.30
LC255304	4L	Amber Poly	Not Regulated	24	\$107.60
Sulfosalicylic Acid, 5% w/v					
<i>Traceable to NIST</i>					
LC255401	500mL	Amber Poly	Not Regulated	24	\$34.70

Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2021 Price
Sulfosalicylic Acid, 20% w/v					
<i>Traceable to NIST</i>					
LC255451	500mL	Amber Poly	Not Regulated	24	\$75.50
Sulfuric Acid, ACS					
LC255501	500mL	Amber Glass	UN1830, 8, PG II	N/A	\$45.40
LC255502	1L	Amber Glass	UN1830, 8, PG II	N/A	\$72.20
LC255503	2.5L	Clear Glass	UN1830, 8, PG II	N/A	\$95.50
LC255503S	2.5L	PVC Coated	UN1830, 8, PG II	N/A	\$104.00
LC2555036	6X2.5L	Clear Glass	UN1830, 8, PG II	N/A	\$340.20
LC2555036S	6X2.5L	PVC Coated	UN1830, 8, PG II	N/A	\$398.90
Sulfuric Acid Solutions Are Available in Any Size or Concentration. Please Call or Email info@LabChem.com for a Custom Quotation.					
Sulfuric Acid, 5% v/v (1+19)					
APHA 4500-ClO ₂ D (20th Ed.), ASTM D512-12 B					
<i>Traceable to NIST</i>					
LC255701	500mL	Poly Bottle	UN2796, 8, PG II	24	\$20.70
Sulfuric Acid, 10% v/v (1+9)					
<i>Traceable to NIST</i>					
LC255801	500mL	Poly Bottle	UN2796, 8, PG II	24	\$27.70
LC255802	1L	Poly Bottle	UN2796, 8, PG II	24	\$35.30
LC255803	2.5L	Clear Glass	UN2796, 8, PG II	24	\$64.50
Sulfuric Acid, 10% w/w					
<i>Traceable to NIST</i>					
LC255902	1L	Poly Bottle	UN2796, 8, PG II	24	\$30.30
LC255903	2.5L	Clear Glass	UN2796, 8, PG II	24	\$67.10
LC255906	10L	Cubitainer®	UN2796, 8, PG II	24	\$106.20
LC255905	20L	Cubitainer®	UN2796, 8, PG II	24	\$172.50
LC25590200	200L	Poly Drum	UN2796, 8, PG II	24	\$1,053.60
Sulfuric Acid, 14% v/v, for Phosphorus					
APHA 4500-P F					
<i>Traceable to NIST</i>					
LC256001	500mL	Poly Bottle	UN2796, 8, PG II	24	\$30.00
LC256002	1L	Poly Bottle	UN2796, 8, PG II	24	\$37.70
Sulfuric Acid, 16.7% v/v (1+5)					
TAPPI T618 cm-01					
<i>Traceable to NIST</i>					
LC256052	1L	Poly Bottle	UN2796, 8, PG II	24	\$34.70

Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2021 Price
Sulfuric Acid, 20% v/v (1+4)					
TAPPI T624 cm-00					
<i>Traceable to NIST</i>					
LC256072	1L	Poly Bottle	UN2796, 8, PG II	24	\$42.90
LC256074	4L	Poly Bottle	UN2796, 8, PG II	24	\$88.10
Sulfuric Acid, 25% v/v (1+3)					
<i>Traceable to NIST</i>					
LC256102	1L	Poly Bottle	UN2796, 8, PG II	24	\$58.60
LC256103	2.5L	Clear Glass	UN2796, 8, PG II	24	\$153.00
Sulfuric Acid, 37% v/v (37+63), for Phosphorus					
ASTM D515-82 B					
<i>Traceable to NIST</i>					
LC256201	500mL	Poly Bottle	UN2796, 8, PG II	36	\$30.50
Sulfuric Acid, 50% v/v (1+1)					
<i>Traceable to NIST</i>					
LC256401	500mL	Amber Glass	UN1830, 8, PG II	24	\$26.60
LC256402	1L	Amber Glass	UN1830, 8, PG II	24	\$40.10
LC256403	2.5L	Clear Glass	UN1830, 8, PG II	24	\$95.90
LC256405	20L	Poly Drum	UN1830, 8, PG II	24	\$402.60
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, PG II	24	\$54.40
Sulfuric Acid for Babcock Test, 90.5-93% w/w					
<i>Traceable to NIST</i>					
LC256502	1L	Amber Glass	UN1830, 8, PG II	24	\$53.40
LC256503	2.5L	Clear Glass	UN1830, 8, PG II	24	\$96.10
Sulfuric Acid, 0.01N (0.005M)					
<i>Traceable to NIST</i>					
LC256551	500mL	Poly Bottle	Not Regulated	24	\$20.40
LC256552	1L	Poly Bottle	Not Regulated	24	\$24.80
LC256554	4L	Poly Bottle	Not Regulated	24	\$55.40
LC256555	20L	Cubitainer®	Not Regulated	24	\$154.10

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Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2021 Price
Sulfuric Acid, 0.02N (0.01M)					
<i>Traceable to NIST</i>					
LC256601	500mL	Poly Bottle	Not Regulated	24	\$19.10
LC256602	1L	Poly Bottle	Not Regulated	24	\$22.30
LC256604	4L	Poly Bottle	Not Regulated	24	\$48.70
LC256606	10L	Cubitainer®	Not Regulated	24	\$97.10
LC256605	20L	Cubitainer®	Not Regulated	24	\$135.70
Sulfuric Acid, 0.04N (0.02M)					
<i>Traceable to NIST</i>					
LC256702	1L	Poly Bottle	Not Regulated	24	\$24.60
LC256704	4L	Poly Bottle	Not Regulated	24	\$55.00
Sulfuric Acid, 0.05N (0.025M)					
<i>Traceable to NIST</i>					
LC256752	1L	Poly Bottle	Not Regulated	24	\$25.70
LC256754	4L	Poly Bottle	Not Regulated	24	\$56.30
Sulfuric Acid, 0.1N (0.05M)					
<i>Traceable to NIST</i>					
LC256801	500mL	Poly Bottle	Not Regulated	24	\$19.50
LC256802	1L	Poly Bottle	Not Regulated	24	\$22.40
LC256804	4L	Poly Bottle	Not Regulated	24	\$45.90
LC256806	10L	Cubitainer®	Not Regulated	24	\$97.10
LC256805	20L	Cubitainer®	Not Regulated	24	\$149.30
Sulfuric Acid, 0.125N (0.0625M)					
TAPPI T604 om-00					
<i>Traceable to NIST</i>					
LC256852	1L	Poly Bottle	Not Regulated	24	\$52.10
Sulfuric Acid, 0.2N (0.1M)					
<i>Traceable to NIST</i>					
LC257001	500mL	Poly Bottle	UN2796, 8, PG II	24	\$21.20
LC257002	1L	Poly Bottle	UN2796, 8, PG II	24	\$24.40
LC257004	4L	Poly Bottle	UN2796, 8, PG II	24	\$55.10
LC257005	20L	Cubitainer®	UN2796, 8, PG II	24	\$154.10
Sulfuric Acid, 0.25N (0.125M)					
<i>Traceable to NIST</i>					
LC257202	1L	Poly Bottle	UN2796, 8, PG II	24	\$25.30
LC257204	4L	Poly Bottle	UN2796, 8, PG II	24	\$60.70
LC257205	20L	Cubitainer®	UN2796, 8, PG II	24	\$153.00

Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2021 Price
Sulfuric Acid, 0.255N (0.1275M)					
<i>Traceable to NIST</i>					
LC257304	4L	Poly Bottle	UN2796, 8, PG II	24	\$53.30
LC257305	20L	Cubitainer®	UN2796, 8, PG II	24	\$145.70
Sulfuric Acid, 0.5N (0.25M)					
<i>Traceable to NIST</i>					
LC257401	500mL	Poly Bottle	UN2796, 8, PG II	24	\$19.50
LC257402	1L	Poly Bottle	UN2796, 8, PG II	24	\$23.70
LC257404	4L	Poly Bottle	UN2796, 8, PG II	24	\$51.40
LC257406	10L	Cubitainer®	UN2796, 8, PG II	24	\$108.30
LC257405	20L	Cubitainer®	UN2796, 8, PG II	24	\$143.10
LC25740200	200L	Poly Drum	UN2796, 8, PG II	24	\$1,031.50
Sulfuric Acid, 1.0N (0.5M)					
<i>Traceable to NIST</i>					
LC257701	500mL	Poly Bottle	UN2796, 8, PG II	24	\$15.40
LC257702	1L	Poly Bottle	UN2796, 8, PG II	24	\$22.10
LC257704	4L	Poly Bottle	UN2796, 8, PG II	24	\$51.60
LC257706	10L	Cubitainer®	UN2796, 8, PG II	24	\$98.80
LC257705	20L	Cubitainer®	UN2796, 8, PG II	24	\$147.90
Sulfuric Acid, 2.0N (1.0M)					
<i>Traceable to NIST</i>					
LC257901	500mL	Poly Bottle	UN2796, 8, PG II	24	\$17.50
LC257902	1L	Poly Bottle	UN2796, 8, PG II	24	\$28.30
Sulfuric Acid, 2.5N (1.25M)					
<i>Traceable to NIST</i>					
LC258002	1L	Poly Bottle	UN2796, 8, PG II	24	\$37.80
LC258004	4L	Poly Bottle	UN2796, 8, PG II	24	\$75.90
Sulfuric Acid, 3.0N (1.5M)					
TAPPI T203 cm-99, T504 cm-97					
<i>Traceable to NIST</i>					
LC258102	1L	Poly Bottle	UN2796, 8, PG II	24	\$30.20
LC258104	4L	Poly Bottle	UN2796, 8, PG II	24	\$75.10
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Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2021 Price
Sulfuric Acid, 4.0N (2.0M)					
<i>Traceable to NIST</i>					
LC258301	500mL	Poly Bottle	UN2796, 8, PG II	24	\$32.20
LC258302	1L	Poly Bottle	UN2796, 8, PG II	24	\$50.80
LC258303	2.5L	Clear Glass	UN2796, 8, PG II	24	\$77.30
LC258306	10L	Cubitainer®	UN2796, 8, PG II	24	\$133.60
LC258305	20L	Cubitainer®	UN2796, 8, PG II	24	\$222.80

Sulfuric Acid, 5.0N (2.5M)					
<i>Traceable to NIST</i>					
LC258401	500mL	Poly Bottle	UN2796, 8, PG II	24	\$27.50
LC258402	1L	Poly Bottle	UN2796, 8, PG II	24	\$40.60
LC258403	2.5L	Clear Glass	UN2796, 8, PG II	24	\$60.60

Sulfuric Acid, 6.0N (3.0M)					
<i>Traceable to NIST</i>					
LC258501	500mL	Poly Bottle	UN2796, 8, PG II	24	\$33.50
LC258502	1L	Poly Bottle	UN2796, 8, PG II	24	\$45.80
LC258503	2.5L	Clear Glass	UN2796, 8, PG II	24	\$73.80

Sulfuric Acid, 10.0N (5.0M)					
<i>Traceable to NIST</i>					
LC258702	1L	Poly Bottle	UN2796, 8, PG II	24	\$52.90
LC258703	2.5L	Clear Glass	UN2796, 8, PG II	24	\$117.30

Sulfuric Acid, 12.0N (6.0M)					
<i>Traceable to NIST</i>					
LC258801	500mL	Poly Bottle	UN2796, 8, PG II	24	\$46.80
LC258802	1L	Poly Bottle	UN2796, 8, PG II	24	\$69.40
LC258803	2.5L	Clear Glass	UN2796, 8, PG II	24	\$113.60

Sulfuric Acid, Alcoholic – See Alcoholic Sulfuric Acid, Page 6.

Sulfuric Acid–Silver Sulfate, APHA, ASTM for COD – See Silver Sulfate–Sulfuric Acid, Page 82.

Tartaric Acid, ACS					
LC259401	500g	Poly Bottle	Not Regulated	N/A	\$80.80

Tartaric Acid, 10% w/v					
<i>Traceable to NIST</i>				Refrigerated Item	
LC259701	500mL	Poly Bottle	Not Regulated	12	\$37.60
LC259702	1L	Poly Bottle	Not Regulated	12	\$58.00

Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2021 Price
TCLP Extraction Fluid #1					
EPA 1311					
LC259954	4L	Amber Glass	Not Regulated	24	\$60.10
LC259956	10L	Cubitainer®	Not Regulated	24	\$129.70
LC259955	20L	Cubitainer®	Not Regulated	24	\$193.30
TCLP Extraction Fluid #2					
EPA 1311					
LC259974	4L	Amber Glass	Not Regulated	24	\$63.70
LC259976	10L	Cubitainer®	Not Regulated	24	\$116.30
LC259975	20L	Cubitainer®	Not Regulated	24	\$180.00
Thioacetamide, ACS					
LC260009	100g	Amber Glass	Not Regulated	N/A	\$150.50
Thioacetamide, 0.25% w/v, for Chlorine, Chlorine Dioxide					
APHA 4500–Cl F, G, 4500–ClO ₂ D (20th Ed.)					
LC260107	125mL	Poly Bottle	Not Regulated	24	\$27.00
LC260101	500mL	Poly Bottle	Not Regulated	24	\$45.60
Thymol Blue, Sodium Salt, ACS					
LC260157	5g	Amber Glass	Not Regulated	N/A	\$38.70
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	\$15.00
Thymol Blue, 0.08% in Methanol, for Organic Acids					
APHA 5560 B				Refrigerated Item	
LC260501	500mL	Poly Bottle	UN1993, 3, PG II	6	\$39.20
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	\$23.20
LC260401	500mL	Poly Bottle	Not Regulated	24	\$53.40
Thymolphthalein, ACS					
LC260607	5g	Amber Glass	Not Regulated	N/A	\$31.60
Thymolphthalein, 0.05% in Ethanol, pH 9.3 – 10.5 Colorless to Blue					
LC260707	125mL	Poly Bottle	UN1170, 3, PG II	24	\$26.60
LC260701	500mL	Poly Bottle	UN1170, 3, PG II	24	\$30.20
Thymolphthalein, 0.1% in Ethanol					
TAPPI T600 cm–01					
LC260757	125mL	Poly Bottle	UN1170, 3, PG II	24	\$29.70

Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2021 Price
Tin AA Standard, 1000 ppm (1 mL = 1 mg Sn)					
<i>Traceable to NIST</i>					
LC261007	125mL	Poly Bottle	UN1789, 8, PG II	24	\$32.40
LC261001	500mL	Poly Bottle	UN1789, 8, PG II	24	\$60.90
TISAB II, for Fluoride					
APHA 4500-F ⁻ C					
<i>Traceable to NIST</i>					
LC261302	1L	Poly Bottle	Not Regulated	24	\$85.70
LC261304	4L	Poly Bottle	Not Regulated	24	\$144.50
LC261306	10L	Cubitainer®	Not Regulated	24	\$450.30
LC261305	20L	Cubitainer®	Not Regulated	24	\$746.40
Titanium AA Standard, 1000 ppm (1 mL = 1 mg Ti)					
<i>Traceable to NIST</i>					
LC261507	125mL	Poly Bottle	Not Regulated	24	\$25.70
LC261501	500mL	Poly Bottle	Not Regulated	24	\$51.30
Titration (TAN) Solvent					
ASTM D664, D974					
LC261404	4L	Amber Glass	UN1993, 3, PG II	24	\$132.00
o-Tolidine, 0.1%					
LC261601	500mL	Poly Bottle	UN1789, 8, PG II	24	\$29.50
LC261602	1L	Poly Bottle	UN1789, 8, PG II	24	\$40.60
Toluene, ACS					
LC261704	4L	Amber Glass	UN1294, 3, PG II	N/A	\$64.40
LC2617044	4X4L	Amber Glass	UN1294, 3, PG II	N/A	\$216.50
Toluidine Blue, 1% Aqueous					
<i>Traceable to NIST</i>					
LC261651	500mL	Poly Bottle	Not Regulated	24	\$72.90
LC261652	1L	Poly Bottle	Not Regulated	24	\$120.30
LC261654	4L	Poly Bottle	Not Regulated	24	\$413.60
Trichloroacetic Acid, 3% w/v					
<i>Traceable to NIST</i>					
LC262001	500mL	Amber Glass	UN2564, 8, PG II	18	\$40.90
Trichloroacetic Acid, 5% w/v					
<i>Traceable to NIST</i>					
LC262201	500mL	Amber Glass	UN2564, 8, PG II	12	\$39.60

Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2021 Price
Trichloroacetic Acid, 10% w/v					
<i>Traceable to NIST</i>					
LC262301	500mL	Amber Glass	UN2564, 8, PG II	12	\$41.60
LC262302	1L	Amber Glass	UN2564, 8, PG II	12	\$60.10
LC262304	4L	Amber Glass	UN2564, 8, PG II	12	\$146.90
Trichloroacetic Acid, 80% w/v					
<i>Traceable to NIST</i>					
LC262651	500mL	Amber Glass	UN2564, 8, PG II	12	\$139.60
Triton X-100®, Wetting Agent					
LC262801	500mL	Poly Bottle	Not Regulated	N/A	\$60.10
Turbidity Standard (Formazin), 4000 NTU					
APHA 2130 B					
LC262901	500mL	Amber Poly	Not Regulated	12	\$67.00
Turbidity Stock Solution I, Hydrazine Sulfate, 1%					
APHA 2130 B					
LC263007	125mL	Poly Bottle	Not Regulated	24	\$35.50
LC263001	500mL	Poly Bottle	Not Regulated	24	\$53.80
Turbidity Stock Solution II, Hexamethylene Tetramine, 10%					
APHA 2130 B					
LC263207	125mL	Poly Bottle	Not Regulated	12	\$35.50
LC263201	500mL	Poly Bottle	Not Regulated	12	\$53.80
Universal Indicator, Bogens in Alcohol					
LC265007	125mL	White Poly	UN1993, 3, PG II	24	\$32.20
LC265001	500mL	Amber Poly	UN1993, 3, PG II	24	\$91.40
LC265002	1L	Amber Poly	UN1993, 3, PG II	24	\$135.00
Vanadate-Molybdate Reagent, for Phosphorus					
APHA 4500-P C					
LC266002	1L	Poly Bottle	UN1789, 8, PG II	24	\$49.70
Vanadium AA Standard, 1000 ppm (1mL = 1mg V)					
LC266407	125mL	Poly Bottle	UN3264, 8, PG II	24	\$28.10
LC266401	500mL	Poly Bottle	UN3264, 8, PG II	24	\$58.70
Vanadomolybdate Solution, in Dilute Perchloric Acid					
AOAC 7.121, 2.022					
LC266202	1L	Poly Bottle	UN3264, 8, PG II	12	\$94.30
LC266204	4L	Poly Bottle	UN3264, 8, PG II	12	\$266.70
Victoria Pure Blue B O Dye, 0.03%					
TAPPI T552 om-02					
LC266707	125mL	Poly Bottle	Not Regulated	3	\$40.40

Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2021 Price
Wash Solution, for Surfactants					
APHA 5540 C					
LC267002	1L	Poly Bottle	Not Regulated	36	\$54.80
Water, Deionized, ACS, ASTM Type I					
LC267402	1L	Poly Bottle	Not Regulated	12	\$23.40
LC267404	4L	Poly Bottle	Not Regulated	12	\$28.90
LC267406	10L	Cubitainer®	Not Regulated	12	\$49.80
LC267405	20L	Cubitainer®	Not Regulated	12	\$68.40
LC26740200	200L	Poly Drum	Not Regulated	12	\$360.10
Water, Deionized, ASTM Type II					
LC267502	1L	Poly Bottle	Not Regulated	60	\$21.70
LC267504	4L	Poly Bottle	Not Regulated	60	\$25.50
LC267506	10L	Cubitainer®	Not Regulated	60	\$45.20
LC267505	20L	Cubitainer®	Not Regulated	60	\$59.50
LC26750200	200L	Poly Drum	Not Regulated	60	\$274.20
Water Hardness Buffer					
ASTM D1126-02 (2007)					
LC268401	500mL	Poly Bottle	Not Regulated	2	\$37.60
LC268402	1L	Poly Bottle	Not Regulated	2	\$50.70
Water Hardness Buffer, Odorless					
APHA 2340 C					
LC268001	500mL	Poly Bottle	Not Regulated	24	\$38.60
LC268002	1L	Poly Bottle	Not Regulated	24	\$51.20
LC268004	4L	Poly Bottle	Not Regulated	24	\$173.80
Water Hardness Buffer (with Magnesium)					
APHA 2340 C, ASTM D511-09					
LC268101	500mL	Poly Bottle	UN2672, 8, PG III	6	\$32.60
LC268102	1L	Poly Bottle	UN2672, 8, PG III	6	\$46.80
LC268104	4L	Poly Bottle	UN2672, 8, PG III	6	\$134.60
Water Hardness Indicators – See Calmagite, Eriochrome® Black T, Eriochrome® Blue-Black R, Hydroxynaphthol Blue, Murexide.					
Xylenes, ACS					
LC269704	4L	Amber Glass	UN1307, 3, PG III	N/A	\$103.60
LC2697044	4X4L	Amber Glass	UN1307, 3, PG III	N/A	\$337.70
Xylenol Orange, Sodium Salt, ACS					
LC269907	5g	Amber Glass	Not Regulated	N/A	\$164.30

Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2021 Price
Xylenol Orange, 0.1% Aqueous					
LC270007	125mL	Poly Bottle	Not Regulated	24	\$34.10
LC270001	500mL	Poly Bottle	Not Regulated	24	\$56.20
Xylenol Orange, 0.2% Alcoholic					
LC270207	125mL	Poly Bottle	UN1170, 3, PG II	24	\$59.30
LC270201	500mL	Poly Bottle	UN1170, 3, PG II	24	\$100.40
Zinc AA Standard, 1000 ppm (1 mL = 1 mg Zn)					
<i>Traceable to NIST</i>					
LC271507	125mL	Poly Bottle	UN3264, 8, PG II	36	\$24.20
LC271501	500mL	Poly Bottle	UN3264, 8, PG II	36	\$50.80
Zinc Acetate, Dihydrate, ACS					
LC270701	500g	Poly Bottle	UN3077, 9, PG III	N/A	\$61.70
Zinc Acetate, 10% w/v, for Cyanide					
APHA 4500-CN ⁻ I					
LC270802	1L	Poly Bottle	Not Regulated	24	\$57.90
Zinc Acetate Solution, 2N, for Sulfide					
APHA 4500-S ²⁻ C, E					
<i>Traceable to NIST</i>					
LC271007	125mL	Poly Bottle	Not Regulated	24	\$18.60
LC271001	500mL	Poly Bottle	Not Regulated	24	\$35.40
Zinc, Granular, 20 Mesh, ACS					
LC270607	100g	Poly Bottle	Not Regulated	N/A	\$56.90
LC270601	500g	Poly Bottle	Not Regulated	N/A	\$121.60
Zinc Sulfate, Heptahydrate, ACS					
LC272201	500g	Poly Bottle	Not Regulated	N/A	\$52.60
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	\$64.90
Zinc Sulfate, 1.0M (2.0N)					
TAPPI T624 cm-00					
<i>Traceable to NIST</i>					
LC272401	500mL	Poly Bottle	Not Regulated	24	\$55.00
Zinc Sulfate, 1.180 Specific Gravity					
LC272701	500mL	Poly Bottle	Not Regulated	24	\$28.90
LC272702	1L	Poly Bottle	Not Regulated	24	\$38.00
LC272704	4L	Poly Bottle	Not Regulated	24	\$121.30

Catalog Number	Size	Container Type	DOT Information	Shelf Life (Months)	2021 Price
Zobell's Solution (ORP Standard, 220 mV)					
LC273101	500mL	Amber Glass	Not Regulated	12	\$57.40

Refrigerated Item

Other ORP Standards Are Available – See Page 60.

APHA Cross Reference

Acidity 2310 B

Titration Method

Bromophenol Blue, 0.1%	LC12030
Hydrogen Peroxide, 30% w/w	LC15430
m-Cresol Purple, 0.1%	LC13500
Phenolphthalein, 0.5%	LC18200
Potassium Hydrogen Phthalate, 0.05N	LC18700
Sodium Hydroxide, 0.02N	LC24220
Sodium Hydroxide, 0.1N	LC24270
Sodium Thiosulfate, 0.1N	LC25060
Water, Deionized	LC26750

Acids, Organic 5560 B

Chromatographic Separation Method

Chloroform-Butanol Reagent	LC13050
Phenolphthalein, 0.08% in Methanol	LC18230
Sodium Hydroxide, 0.02N in Methanol	LC24530
Sulfuric Acid, ACS	LC25550
Thymol Blue Indicator, 0.08% in Methanol	LC26050

Acids, Organic 5560 C

Distillation Method

Acetic Acid, ACS	LC10100
Phenolphthalein, 0.5%	LC18200
Sodium Hydroxide, 0.1N	LC24270
Sulfuric Acid, 50% v/v (1+1)	LC25640

Alkalinity 2320 B

Titration Method

Bromocresol Green, 0.1%	LC11850
Bromocresol Green-Methyl Red, Alcoholic	LC11880
Bromocresol Green-Methyl Red, Aqueous	LC11870
Hydrochloric Acid, 0.02N	LC15170
Hydrochloric Acid, 0.1N	LC15220
m-Cresol Purple, 0.1%	LC13500
Phenolphthalein, 0.5%	LC18200
Sodium Thiosulfate, 0.1N	LC25060
Sulfuric Acid, 0.02N	LC25660
Sulfuric Acid, 0.1N	LC25680

Aluminum 3500-Al B

Eriochrome Cyanine R Method

Acetate Buffer, pH 6.0, for Aluminum	LC10070
Aluminum Standard, 1000ppm	LC10750
Ascorbic Acid	LC11530
Bromocresol Green, 0.1%	LC11850
EDTA, 0.01M	LC13850
Methyl Orange, 0.05%	LC17000
Sodium Hydroxide, 0.1N	LC24270
Sodium Hydroxide, 1.0N	LC24350
Sulfuric Acid, 0.02N	LC25660
Sulfuric Acid, 6.0N	LC25850

Arsenic 3500-As B

Silver Diethyldithiocarbamate Method

Acetate Buffer for Arsenic	LC10005
Acetic Acid, 0.2M	LC10360
Arsenic Standard, 1000ppm	LC11500
Hydrochloric Acid, 2.0N	LC15320
Lead Acetate, 10% w/v	LC16100
Silver Diethyldithiocarbamate, 0.3% w/v	LC22430
Sodium Acetate, 0.2M	LC22840

Arsenic 3500-As C, D

17th Edition

Arsenic Standard, 1000ppm	LC11500
Hydrochloric Acid, ACS	LC14950
Lead Acetate, 10% w/v	LC16100
Nitric Acid, ACS	LC17700
Potassium Iodide, 15% w/v	LC19780
Silver Diethyldithiocarbamate, 0.3% w/v	LC22430
Stannous Chloride, 40%	LC25200
Sulfuric Acid, 50% v/v (1+1)	LC25640
Zinc, ACS	LC27060

APHA Cross Reference

Biochemical Oxygen Demand 5210 B 5-Day BOD Test

Ammonium Chloride, 1.15g/L	LC10980
Calcium Chloride, 2.75% w/v	LC12730
Ferric Chloride, 0.025% w/v	LC14300
Glucose-Glutamic Acid	LC14845
Magnesium Sulfate, 2.25% w/v	LC16500
Phosphate Buffer, pH 7.2	LC18500
Polyseed	LC18880
Polyseed NX	LC18890
Sodium Hydroxide, 1.0N	LC24350
Sulfuric Acid, 1.0N	LC25770
Water, Deionized	LC26750

Boron 4500-B B Curcumin Method

Boron Standard, 1000ppm	LC11780
Hydrochloric Acid, ACS	LC14950
Hydrochloric Acid, 2.0N	LC15320
Isopropyl Alcohol, ACS	LC15750
Reagent Alcohol	LC22200

Boron 4500-B C Carmine Method

Boron Standard, 1000ppm	LC11780
Hydrochloric Acid, ACS	LC14950
Hydrochloric Acid, 1.0N	LC15300
Sulfuric Acid, ACS	LC25550

Bromide 4500-Br⁻ B Phenol Red Colorimetric Method

Acetate Buffer for Bromide	LC10010
Phenol Red, 0.02%	LC18250
Sodium Thiosulfate, 2.0N (2.0M)	LC25150

Calcium 3500-Ca E (17th Ed.) Permanganate Titrimetric Method

Ammonium Hydroxide, ACS	LC11050
Ammonium Oxalate, 4% w/v	LC11280
Hydrochloric Acid, 50% v/v (1+1)	LC15130
Methyl Red, 0.1%	LC17120
Potassium Permanganate, 0.05N	LC19960
Sulfuric Acid, 50% v/v (1+1)	LC25640

Calcium 3500-Ca B EDTA Titrimetric Method

EDTA, 0.01M	LC13850
Eriochrome Blue Black-R, Dry in NaCl	LC14060
Murexide, Dry in NaCl	LC17510
Murexide, 0.15%	LC17500
Sodium Hydroxide, 1.0N	LC24350

Carbon Dioxide 4500-CO₂ C Titrimetric Method (2310 B) For Free CO₂

Bromophenol Blue, 0.1%	LC12030
Hydrogen Peroxide, 30% w/w	LC15430
m-Cresol Purple, 0.1%	LC13500
Phenolphthalein, 0.5%	LC18200
Potassium Hydrogen Phthalate, 0.05N	LC18700
Sodium Hydroxide, 0.02N	LC24220
Sodium Hydroxide, 0.1N	LC24270
Sodium Thiosulfate, 0.1N	LC25060
Water, Deionized	LC26750

Carbon, Total Organic 5310 B High Temperature Combustion Method

Carbon Standard, 1000ppm (Inorganic)	LC12900
Carbon Standard, 1000ppm (Organic)	LC12910
Phosphoric Acid, ACS	LC18640
Sulfuric Acid, ACS	LC25550
Water, Deionized	LC26750

Chemical Oxygen Demand 5220 B, C, D Reflux Methods

COD Standard, 1ml = 0.3mg COD	LC13240
COD Standard, 1ml = 1mg COD	LC13245
Ferriin Indicator	LC14450
Ferrous Ammonium Sulfate, 0.1N	LC14500
Ferrous Ammonium Sulfate, 0.25N	LC14530
Silver Sulfate-Sulfuric Acid	LC22760
Sulfamic Acid, Reagent	LC25420
Sulfuric Acid, ACS	LC25550

APHA Cross Reference

**Chloride 4500-Cl⁻ B
Argentometric Method**

Aluminum Hydroxide Suspension	LC10840
Hydrogen Peroxide, 30% w/w	LC15430
Phenolphthalein, 0.5%	LC18200
Potassium Chromate Indicator	LC18850
Silver Nitrate, 0.0141N	LC22600
Sodium Chloride, 0.0141N	LC13010
Sodium Hydroxide, 1.0N	LC24350
Sulfuric Acid, 1.0N	LC25770

**Chloride 4500-Cl⁻ C
Mercuric Nitrate Method**

Diphenylcarbazone-Bromophenol Blue	LC13680
Diphenylcarbazone-Xylene Cyanol FF	LC13682
Mercuric Nitrate, 0.0141N	LC16650
Mercuric Nitrate, 0.141N	LC16660
Nitric Acid, 0.1N	LC17800
Sodium Chloride, 0.0141N	LC13010
Sodium Hydroxide, 0.1N	LC24270

**Chloride 4500-Cl⁻ D
Potentiometric Method**

Hydrogen Peroxide, 30% w/w	LC15430
Nitric Acid, ACS	LC17700
Silver Nitrate, 0.0141N	LC22600
Sodium Chloride, 0.0141N	LC13010
Sodium Hydroxide, 1.0N	LC24350
Sulfuric Acid, 50% v/v (1+1)	LC25640

**Chloride 4500-Cl⁻ E, G
Automated Ferricyanide Method Mercuric Thiocyanate Flow Injection Method**

Chloride Standard, 1000ppm	LC13000
Color Reagent for Chloride	LC13260
Ferric Nitrate, Stock Solution	LC14420
Mercuric Thiocyanate, Stock Solution	LC16720

**Chlorine Dioxide 4500-ClO₂ B
Iodometric Method**

See reagents used in Chlorine, Residual Method No. 4500-Cl B
Iodometric Method No. 1

**Chlorine Dioxide 4500-ClO₂ C
Amperometric Method I**

Sodium Hydroxide, 6.0N	LC24460
Sulfuric Acid, 6.0N	LC25850
See reagents used in Chlorine, Residual Method No. 4500-Cl D	

**Chlorine Dioxide 4500-ClO₂ D
DPD Method (20th Edition)**

EDTA, Disodium Salt, Dihydrate	LC13750
Glycine, 10% w/v	LC14880
Sodium Bicarbonate, 5.5% w/v	LC22945
Sulfuric Acid, 5% V/V (1+19)	LC25570
See reagents used in Chlorine, Residual Method No. 4500-Cl F	

**Chlorine Dioxide 4500-ClO₂ E
Amperometric Method II**

Hydrochloric Acid, ACS	LC14950
Hydrochloric Acid, 20% v/v	LC15090
Phenylarsine Oxide, 0.00564N	LC18360
Phosphate Buffer, pH 7.0	LC18520
Potassium Bromide, ACS	LC18781
Potassium Iodide, ACS	LC19690
Sodium Phosphate, Saturated	LC24780
Sodium Thiosulfate, 0.1N	LC25060

**Chlorine, Residual 4500-Cl B
Iodometric Method No. 1**

Acetic Acid, ACS	LC10100
Iodine, 0.0282N	LC15630
Iodine, 0.1N	LC15660
Potassium Biiodate, 0.1N	LC18740
Potassium Dichromate, 0.1N	LC18980
Potassium Iodate, 0.025N	LC19610
Potassium Iodate, 0.1N	LC19630
Potassium Iodide, ACS	LC19690
Sodium Thiosulfate, 0.01N	LC25000
Sodium Thiosulfate, 0.025N	LC25020
Sodium Thiosulfate, 0.1N	LC25060
Starch Indicator, 0.5%	LC25300

APHA Cross Reference

Chlorine, Residual 4500–Cl C Iodometric Method No. 2

Acetate Buffer, pH 4.0, for Chlorine	LC10030
Iodine, 0.0282N	LC15630
Iodine, 0.1N	LC15660
Phenylarsine Oxide, 0.00564N	LC18360
Phosphoric Acid, 10% v/v (1+9)	LC18650
Phosphoric Acid–Sulfamic Acid Solution	LC18660
Potassium Iodate, 0.00564N	LC19600
Potassium Iodide, ACS	LC19690
Sodium Arsenite, 0.1N	LC22900
Sodium Thiosulfate, 0.1N	LC25060
Starch Indicator, 0.5%	LC25300
Water, Deionized	LC26750

Chlorine, Residual 4500–Cl D Amperometric Titration Method

Acetate Buffer, pH 4.0, for Chlorine	LC10030
Phenylarsine Oxide, 0.00564N	LC18360
Phosphate Buffer, pH 7.0	LC18520
Potassium Iodide, 5% w/v	LC19740

Chlorine, Residual 4500–Cl F DPD Ferrous Titrimetric Method

Barium Chloride, ACS	LC11560
Barium Diphenylamine Sulfonate, 0.1%	LC11630
Buffer, Phosphate for Chlorine	LC18540
DPD Indicator	LC13700
Ferrous Ammonium Sulfate Titrant	LC14550
Glycine, 20% w/v	LC14885
Potassium Dichromate, 0.1N	LC18980
Potassium Iodide, ACS	LC19690
Potassium Iodide, 0.5% w/v	LC19700
Sodium Arsenite, 0.5% w/v	LC22880
Thioacetamide, 0.25%	LC26010
Water, Deionized	LC26750

Chlorine, Residual 4500–Cl G DPD Colorimetric Method

Buffer, Phosphate for Chlorine	LC18540
DPD Indicator	LC13700
Ferrous Ammonium Sulfate Titrant	LC14550
Potassium Iodide, ACS	LC19690
Potassium Iodide, 0.5% w/v	LC19700
Potassium Permanganate, 0.891g/L	LC19860
Sodium Arsenite, 0.5% w/v	LC22880
Thioacetamide, 0.25%	LC26010
Water, Deionized	LC26750

Chromium 3500–Cr B Colorimetric Method

Ammonium Hydroxide, ACS	LC11050
Chloroform, ACS	LC13040
Chromium AA Standard, 1000ppm	LC13120
Diphenylcarbazide Solution	LC13670
Hydrogen Peroxide, 30% w/w	LC15430
Methyl Orange, 0.05%	LC17000
Nitric Acid, ACS	LC17700
Phosphoric Acid, ACS	LC18640
Potassium Permanganate, 4% w/v	LC19930
Sodium Azide, 0.5% w/v	LC22940
Sodium Hydroxide, 1.0N	LC24350
Sulfuric Acid, ACS	LC25550
Sulfuric Acid, 0.2N	LC25700
Sulfuric Acid, 50% v/v (1+1)	LC25640
Water, Deionized	LC26750

Color 2120 B

Visual Comparison Method

Color Standard, APHA, 500 units	LC13300
See Color Standards, page 27	

Conductivity 2510 B Laboratory Method

Conductivity Standard, 1409umho/cm	LC18780
See Conductivity Standards, page 27–29	

APHA Cross Reference

Copper 3500–Cu B Neocuproine Method

Ammonium Hydroxide, 5.0N	LC11110
Chloroform, ACS	LC13040
Congo Red Paper	LC13380
Copper AA Standard, 1000ppm	LC13400
Hydrochloric Acid, ACS	LC14950
Hydroxylamine Hydrochloride, 10%	LC15530
Methanol, ACS	LC16800
Neocuproine Reagent	LC17630
Nitric Acid, ACS	LC17700
Sodium Citrate, 30% w/v	LC23660
Sulfuric Acid, ACS	LC25550
Water, Deionized	LC26750

Copper 3500–Cu C Bathocuproine Method

Copper AA Standard, 1000ppm	LC13400
Disodium Bathocuproine, 0.1%	LC13685
Hydrochloric Acid, 50% v/v (1+1)	LC15130
Hydroxylamine Hydrochloride, 10%	LC15530
Sodium Citrate, 30% w/v	LC23660
Water, Deionized	LC26750

Cyanide 4500–CN⁻ B Preliminary Treatment

Ferric Chloride, Oxidizing Solution	LC14330
MBTH Indicator, 0.05%	LC16330

Cyanide 4500–CN⁻ C Total Cyanide After Distillation

Magnesium Chloride, 510g/L	LC16390
Sodium Hydroxide, 1.0N	LC24350
Sulfamic Acid, Reagent	LC25420
Sulfuric Acid, 50% v/v (1+1)	LC25640

Cyanide 4500–CN⁻ D Titrimetric Method

Indicator Solution for Cyanide	LC15585
Silver Nitrate, 0.0192N	LC22630
Sodium Hydroxide Dilution Solution	LC23950

Cyanide 4500–CN⁻ E Colorimetric Method

Acetate Buffer for Cyanide	LC10040
Cyanide Standard, 1000ppm	LC13545
Pyridine–Barbituric Acid Reagent	LC22190
Sodium Hydroxide Dilution Solution	LC23950

Cyanide 4500–CN⁻ F Ion Selective Electrode Method

Cyanide Standard, 1000ppm	LC13545
Potassium Nitrate Solution	LC19830
Sodium Hydroxide Dilution Solution	LC23950

Cyanide 4500–CN⁻ H Cyanides Amenable to Chlorination

Buffer, Phosphate for Cyanide	LC18550
EDTA, 0.05M	LC13870
Formaldehyde, ACS	LC14650
Formaldehyde, 10%	LC14660
Sodium Carbonate, ACS	LC22965
Sodium Chloride, ACS	LC23420
Sulfuric Acid, 1.0N	LC25770
Plus all items listed in Methods 4500–CN ⁻ B, E	

Cyanide 4500–CN⁻ I Weak Acid Dissociable

Acetate Buffer for Cyanide	LC10040
Acetic Acid, 10% v/v	LC10190
Methyl Red, 0.1%	LC17120
Zinc Acetate, 10% w/v	LC27080
Plus all items listed in Methods 4500–CN ⁻ C, D, E, F	

Cyanide 4500–CN⁻ J Cyanogen Chloride Method

See all items listed for Methods 4500–CN⁻ E, H

APHA Cross Reference

Cyanide 4500-CN⁻ K

Spot Test for Sample Screening

Cyanide Standard, 1000ppm	LC13545
Formaldehyde, ACS	LC14650
Hydrochloric Acid, 10% v/v (1+9)	LC15070
Phenolphthalein, 0.5%	LC18200
Pyridine-Barbituric Acid Reagent	LC22190
Sodium Carbonate, ACS	LC22965

Cyanide 4500-CN⁻ L

Cyanates

Ammonia (as Nitrogen) Standard, 1000ppm	LC17940
Ammonium Chloride, 0.1M	LC10975
Sodium Hydroxide, 10.0N	LC24500
Sulfuric Acid, 50% v/v (1+1)	LC25640

Dissolved Oxygen

See Oxygen, Dissolved

Fluoride 4500-F⁻ C

Ion Selective Electrode Method

Fluoride Standard, 1ppm	LC14560
Fluoride Standard, 10ppm	LC14570
Fluoride Standard, 100ppm	LC14580
Fluoride Standard, 1000ppm	LC14600
Fluoride Standard, 0.5ppm with TISAB	LC14610
Fluoride Standard, 1ppm with TISAB	LC14620
Fluoride Standard, 2ppm with TISAB	LC14630
Fluoride Standard, 5ppm with TISAB	LC14635
Fluoride Standard, 10ppm with TISAB	LC14640
TISAB II (for Fluoride)	LC26130

Hardness 2340 C

EDTA Titrimetric Method

Calcium Carbonate Standard	LC12700
Calmagite, 0.1%	LC12850
EDTA, 0.01M (1ml = 1mg CaCO ₃)	LC13850
Eriochrome Black-T, Dry Form in NaCl	LC14050
Eriochrome Black-T in Methoxymethanol	LC14040
Sodium Hydroxide, 0.1N	LC24270
Water Hardness Buffer (Odorless)	LC26800
Water Hardness Buffer w/Magnesium	LC26810

Iodide 4500-I⁻ C

Catalytic Reduction Method

Arsenious Acid Solution	LC11520
Ceric Ammonium Sulfate, 0.02N	LC12920
Potassium Iodide, ACS	LC19690
Potassium Thiocyanate, 4% w/v	LC20130
Sodium Chloride Solution, 20% w/v	LC23500
Sulfuric Acid, ACS	LC25550
Water, Deionized	LC26750

Iodine 4500-I C

Amperometric Titration Method

Acetate Buffer for Iodine	LC10030
Phenylarsine Oxide, 0.00564N	LC18360
Potassium Iodide, 5% w/v	LC19740

Iron 3500-Fe B

Phenanthroline Method

Ammonium Acetate Buffer	LC10970
Hydrochloric Acid, ACS	LC14950
Hydroxylamine Hydrochloride, 10% w/v	LC15530
Iron Standard, 200ppm	LC15720
Phenanthroline, 0.1% w/v	LC18150
Potassium Permanganate, 0.1N (0.02M)	LC19980
Sodium Acetate Solution, 20% w/w	LC22830

Lead 3500-Pb B

Dithizone Method

Ammonium Hydroxide, 10% v/v (1+9)	LC11180
Citrate-Cyanide Reducing Solution	LC13130
Dithizone	LC13687
Iodine, 0.1N (12.7g/L)	LC15660
Lead AA Standard, 1000ppm	LC16130
Nitric Acid, 20% v/v (1+4)	LC17750
Sodium Sulfite, 5% w/v	LC24940

Magnesium 3500-Mg B

Calculation Method

See Calcium 3500-Ca B

APHA Cross Reference

Magnesium 3500–Mg D (19th Ed.)

Gravimetric Method

Ammonium Hydroxide, 5% v/v (1+19)	LC11190
Hydrochloric Acid, ACS	LC14950
Hydrochloric Acid, 1% v/v (1+99)	LC15000
Hydrochloric Acid, 10% v/v (1+9)	LC15070
Hydrochloric Acid, 50% v/v (1+1)	LC15130
Methyl Red, 0.1%	LC17120
Nitric Acid, ACS	LC17700

Mercury 3500–Hg C (19th Ed.)

Dithizone Method

Chloroform, ACS	LC13040
Dithizone	LC13687
Hydroxylamine Hydrochloride, 50%	LC15550
Mercury AA Standard, 1000ppm	LC16750
Potassium Bromide Solution	LC18785
Potassium Permanganate, 5% w/v	LC19940
Potassium Persulfate, 5% w/v	LC20080
Sodium Sulfate, Anhydrous	LC24880
Sulfuric Acid, ACS	LC25550
Sulfuric Acid, 0.25N	LC25720
Water, Deionized	LC26750

Metals 3112 B

Cold–Vapor Atomic Absorption Spectrometric Method

Hydroxylamine Hydrochloride, 10%	LC15530
Mercury AA Standard, 1000ppm	LC16750
Nitric Acid, ACS	LC17700
Potassium Permanganate, 5% w/v	LC19940
Potassium Persulfate, 5% w/v	LC20080
Sodium Chloride–Hydroxylamine Sulfate	LC23600
Sulfuric Acid, ACS	LC25550
Water, Deionized	LC26750

Nickel 3500–Ni D, E

17th Edition

Acetic Acid, ACS	LC10100
Ammonium Hydroxide, ACS	LC11050
Bromine Water	LC12000
Chloroform, ACS	LC13040
Dimethylglyoxime, 1%	LC13600
Hydrochloric Acid, 1.0N	LC15300
Methyl Orange, 0.05%	LC17000
Nickel AA Standard, 1000ppm	LC17670
Reagent Alcohol	LC22200
Sodium Hydroxide, 6.0N	LC24460
Sodium Tartrate, 10% w/w	LC24950

Nitrogen, Ammonia 4500–NH₃ B

Preliminary Distillation

Borate Buffer for Nitrogen	LC11700
Boric Acid, 2% W/V	LC11720
Boric Acid, 2% with Indicator	LC11770
Sodium Hydroxide, 1.0N	LC24350
Sodium Hydroxide, 6.0N	LC24460
Sulfuric Acid, 0.04N	LC25670
Sulfuric Acid, 1.0N	LC25770
Water, Deionized	LC26750

Nitrogen, Ammonia 4500–NH₃ C

Titrimetric Method

Boric Acid, 2% with Indicator	LC11770
Methyl Red–Methylene Blue Indicator	LC17170
Sulfuric Acid, 0.02N	LC25660
Water, Deionized	LC26750

APHA Cross Reference

Nitrogen, Ammonia 4500-NH₃ C (17th and 18th Ed.)

Nesslerization Method

Ammonia (as Nitrogen) Standard, 1000ppm	LC17940
Cobaltous Chloride, 1.2% w/v	LC13200
EDTA, 50% W/V	LC13950
Nessler's Reagent	LC17600
Rochelle Salts, 50% w/v	LC22310
Sodium Hydroxide, 1.0N	LC24350
Sodium Hydroxide, 6.0N	LC24460
Sulfuric Acid, 1.0N	LC25770
Water, Deionized	LC26750
Zinc Sulfate, 10% w/v	LC27230

Nitrogen, Ammonia 4500-NH₃ D, E

Ion Selective Electrode Method

Ammonia (as Nitrogen) Standard, 1000ppm	LC17940
Sodium Hydroxide, 10.0N	LC24500
Water, Deionized	LC26750

Nitrogen, Ammonia 4500-NH₃ G

Automated Phenate Method

Ammonia (as Nitrogen) Standard, 1000ppm	LC17940
EDTA, 5% w/v	LC13930
Sodium Hypochlorite, 2-3% w/v	LC24640
Sodium Nitroprusside, 0.05% w/v	LC24700
Sodium Phenate Solution	LC24770
Sodium Potassium Tartrate, 10% w/v	LC24800
Sulfuric Acid, 5.0N	LC25840
Water, Deionized	LC26750

Nitrogen, Nitrate 4500-NO₃⁻ B

U-V Spectrophotometric Screening Method

Hydrochloric Acid, 1.0N	LC15300
Nitrate (as Nitrogen) Standard, 1000ppm	LC17900
Nitrate (as Nitrogen) Standard, 1000ppm	LC17910
Water, Deionized	LC26750

Nitrogen, Nitrate 4500-NO₃⁻ D

Nitrate Electrode Method

Buffer for Nitrogen (Nitrate)	LC12576
Electrode Fill Solution-Nitrate	LC17890
Nitrate (as Nitrogen) Standard, 1000ppm	LC17900
Nitrate (as Nitrogen) Standard, 1000ppm	LC17910
Sodium Hydroxide, 0.1N	LC24270
Water, Deionized	LC26750

Nitrogen, Nitrate 4500-NO₃⁻ E

Cadmium Reduction Method

Ammonium Chloride-EDTA	LC11020
Copper Sulfate, 2% W/V	LC13420
Hydrochloric Acid, 6.0N	LC15370
Nitrate (as Nitrogen) Standard, 1000ppm	LC17900
Nitrate (as Nitrogen) Standard, 1000ppm	LC17910
Nitrite (as Nitrogen) Standard, 1000ppm	LC17920
Nitrite (as Nitrogen) Standard, 1000ppm	LC17930
Sulfanilamide/N-(Naphthyl) Reagent	LC25460
Water, Deionized	LC26750

Nitrogen, Nitrate 4500-NO₃⁻ F

Automated Cadmium Reduction Method

Ammonium Chloride, 85g/L	LC10990
Ammonium Hydroxide, ACS	LC11050
Color Reagent for Nitrogen	LC13280
Copper Sulfate, 2% w/v	LC13420
Hydrochloric Acid, ACS	LC14950
Nitrate (as Nitrogen) Standard, 1000ppm	LC17900
Nitrate (as Nitrogen) Standard, 1000ppm	LC17910
Nitrite (as Nitrogen) Standard, 1000ppm	LC17920
Nitrite (as Nitrogen) Standard, 1000ppm	LC17930
Sulfuric Acid, ACS	LC25550
Water, Deionized	LC26750

Nitrogen, Nitrite 4500-NO₂⁻ B

Colorimetric Method

Ferrous Ammonium Sulfate, 0.05N (0.05M)	LC14480
Nitrite (as Nitrogen) Standard, 1000ppm	LC17920
Nitrite (as Nitrogen) Standard, 1000ppm	LC17930
Potassium Permanganate, 0.05N (0.01M)	LC19960
Sodium Oxalate, 0.05N (0.025M)	LC24720
Sulfanilamide/N-(Naphthyl) Reagent	LC25460
Water, Deionized	LC26750

APHA Cross Reference

Nitrogen, Organic 4500–Norg B, C, F, G (17th – 21st Editions) Macro Kjeldahl Method

Ammonia (as Nitrogen) Standard, 1000ppm	LC17940
Borate Buffer for Nitrogen	LC11700
Boric Acid, 2% with Indicator	LC11770
Boric Acid, 4% with Indicator	LC11750
Cobaltous Chloride, 1.2% w/v	LC13200
Digestion Reagent (18th Ed.)	LC10550
Digestion Reagent for Nitrogen	LC10560
EDTA, 5% w/v	LC13930
EDTA, 50% w/v	LC13950
Methyl Red–Methylene Blue	LC17170
Nessler's Reagent	LC17600
Rochelle Salts, 50% w/v	LC22310
Sodium Hydroxide, 6.0N	LC24460
Sodium Hydroxide, 10.0N	LC24500
Sodium Hydroxide–Sodium Thiosulfate	LC24600
Sodium Hypochlorite, 2–3% w/v	LC24640
Sodium Hypochlorite, 5% w/v	LC24630
Sodium Nitroprusside, 0.05% w/v	LC24700
Sodium Phenate Solution	LC24770
Sodium Potassium Tartrate, 10% w/v	LC24800
Sulfuric Acid, 0.02N	LC25660
Sulfuric Acid, 0.04N	LC25670
Sulfuric Acid, 1.0N	LC25770
Sulfuric Acid, 5.0N	LC25840
Water, Deionized	LC26750
Zinc Sulfate, 10% w/v	LC27230

Oil and Grease 5520 B, C, D, E, F Aggregate Organic Constituents

Hydrochloric Acid, ACS	LC14950
Hydrochloric Acid, 50% v/v (1+1)	LC15130
Sodium Sulfate, Anhydrous	LC24880
Sulfuric Acid, 50% v/v (1 + 1)	LC25640

Oxidant Demand/Requirement 2350 E Ozone Semi-Batch Method

Potassium Iodide, 2% w/v	LC19720
Sodium Thiosulfate, 0.1N	LC25060
Starch Indicator, 0.5%	LC25300
Sulfuric Acid, 2.0N	LC25790
Water, Deionized	LC26750

Oxygen, Dissolved 4500–O C Azide Modification

Alkaline Iodide Azide I	LC10670
Alkaline Iodide Azide II	LC10690
Manganous Sulfate Solution	LC16570
Potassium Biiodate, 0.025N	LC18730
Sodium Thiosulfate, 0.025N	LC25020
Starch Indicator, 1%	LC25310
Sulfuric Acid, ACS	LC25550

Oxygen, Dissolved 4500–O D Permanganate Modification

Potassium Fluoride, 40% w/v	LC19100
Potassium Oxalate, 2% w/v	LC19840
Potassium Permanganate, 0.63% w/v	LC19900
Plus all items listed in Method 4500–O C	

Oxygen, Dissolved 4500–O E Alum Flocculation Modification

Alum Solution, 10%	LC10740
Ammonium Hydroxide, ACS	LC11050
Plus all items listed in Method 4500–O C	

Oxygen, Dissolved 4500–O F Copper Sulfate–Sulfamic Acid Flocculation

Copper Sulfate–Sulfamic Acid	LC13470
Plus all items listed in Method 4500–O C	

Ozone (Residual) 4500–O₃ B Indigo Colorimetric Method

Glycine, 7% w/v	LC14878
Indigo Stock Solution	LC15587
Malonic Acid Reagent	LC16520

Phenols 5530 B Cleanup Procedure

Chloroform, ACS	LC13040
Methyl Orange, 0.05%	LC17000
Phosphoric Acid, 10% v/v (1+9)	LC18650
Sodium Chloride, ACS	LC23420
Sodium Hydroxide, 2.5N	LC24400
Sulfuric Acid, 1.0N	LC25770

APHA Cross Reference

Phenols 5530 C

Chloroform Extraction Method

Ammonium Hydroxide, 0.5N	LC11070
Bromate-Bromide, 0.1N	LC11950
Chloroform, ACS	LC13040
Hydrochloric Acid, ACS	LC14950
Phenol Standard, 1000ppm	LC18330
Phosphate Buffer for Phenol	LC18560
Potassium Ferricyanide, 10% w/v	LC19050
Potassium Iodide, ACS	LC19690
Sodium Sulfate, Anhydrous	LC24880
Sodium Thiosulfate, 0.025N	LC25020
Starch Indicator, 1%	LC25310

Phenols 5530 D

Direct Photometric Method

See solutions listed for 5530 C

Phosphorus 4500-P B

Sample Preparation

Methyl Orange, 0.05%	LC17000
Nitric Acid, ACS	LC17700
Phenolphthalein, 0.5%	LC18200
Potassium Persulfate, ACS	LC20070
Sodium Hydroxide, 1.0N	LC24350
Sodium Hydroxide, 6.0N	LC24460
Strong Acid Solution	LC25370
Sulfuric Acid, ACS	LC25550
Sulfuric Acid, 10.0N	LC25870

Phosphorus 4500-P C

Vanadomolybdo Phosphoric Acid Colorimetric Method

Hydrochloric Acid, 50% v/v (1+1)	LC15130
Phenolphthalein, 0.5%	LC18200
Phosphate (as Phosphorus) Standard, 50ppm	LC18600
Vanadate-Molybdate Reagent	LC26600

Phosphorus 4500-P D

Stannous Chloride Method

Alcoholic Sulfuric Acid	LC10570
Ammonium Molybdate Reagent No. I	LC11230
Ammonium Molybdate Reagent No. II	LC11240
Phenolphthalein, 0.5%	LC18200
Phosphate (as Phosphorus) Standard, 50ppm	LC18600
Stannous Chloride Reagent No. I	LC25230
Stannous Chloride Reagent No. II	LC25240
Strong Acid Solution	LC25370

Phosphorus 4500-P E

Ascorbic Acid Method

Ammonium Molybdate, 4% w/v	LC11210
Ascorbic Acid	LC11530
Phosphate (as Phosphorus) Standard, 50ppm	LC18600
Potassium Antimony Tartrate Solution	LC18720
Sulfuric Acid, 5.0N	LC25840

Phosphorus 4500-P F

Automated Ascorbic Acid Reduction Method

Ammonium Molybdate, 4% w/v	LC11210
Ascorbic Acid	LC11530
Phenolphthalein, 0.5%	LC18200
Phosphate (as Phosphorus) Standard, 1000ppm	LC18590
Potassium Antimony Tartrate Solution	LC18720
Sulfuric Acid, 14% v/v	LC25600

Radioactivity 7110 B

Evaporation Method for Gross Alpha-Beta

Hydrogen Peroxide, 30% w/w	LC15430
Methyl Orange, 0.05%	LC17000
Nitric Acid, 1.0N	LC17840
Nitric Acid, 6.0N	LC17870
Reagent Alcohol	LC22200

APHA Cross Reference

Radium 7500–Ra B Precipitation Method

Acetic Acid, ACS
 Acetone, ACS
 Ammonium Hydroxide, ACS
 Ammonium Hydroxide, 5.0N
 Barium Chloride, ACS
 Bromocresol Green, 0.1%
 Citric Acid, 1.0M
 EDTA, 0.25M
 Lead AA Standard, 1000ppm
 Methyl Orange, 0.05%
 Nitric Acid, ACS
 Phenolphthalein, 0.5%
 Reagent Alcohol
 Sulfuric Acid, 50% v/v (1+1)

Radium 7500–Ra C Emanation Method

Ammonium Sulfate, 10% w/v
 Barium Chloride, ACS
 EDTA Decontaminating Solution
 Hydrochloric Acid, ACS
 Hydrochloric Acid, 0.1N
 Hydrochloric Acid, 1.0N
 Hydrochloric Acid, 6.0N
 Hydrogen Peroxide, 3% w/w
 Phosphoric Acid, ACS
 Sulfuric Acid, ACS
 Sulfuric Acid, 0.1N

Selenium 3500–Se C Colorimetric Method

Ammonium Hydroxide, 50% v/v
 Hydrochloric Acid, ACS
 Hydrochloric Acid, 0.1N
 Hydroxylamine–EDTA Solution
 Selenium AA Standard, 1000ppm

Silica 4500–SiO₂ C Molybdosilicate Method

LC10100	Ammonium Molybdate, 10% w/v	LC11250
LC10420	Borax Solution, 1% w/v	LC11710
LC11050	Hydrochloric Acid, 50% v/v (1+1)	LC15130
LC11110	Oxalic Acid, 7.5% w/v	LC18060
LC11560	Potassium Chromate, 0.063%	LC18840
LC11850	Silica Standard, 1000ppm	LC22390
LC13180	Sodium Bicarbonate	LC22943
LC13910	Sulfuric Acid, 1.0N	LC25770
LC16130		
LC17000	Silica 4500–SiO₂ D	
LC17700	Heteropoly Blue Method	
LC18200	Amino Naphthol Sulfonic Acid	LC10890
LC22200	See all reagents listed in 4500–SiO ₂ C	
LC25640		

Silica 4500–SiO₂ E Automated Method for Molybdate–Reactive Silica

LC11300	Amino Naphthol Sulfonic Acid	LC10890
LC11560	Ammonium Molybdate, 1% w/v	LC11200
LC13800	Oxalic Acid, 5% w/v	LC18050
LC14950	Silica Standard, 1000ppm	LC22390
LC15220	Sulfuric Acid, 0.1N	LC25680

Sodium 3500–Na B Flame Emission Photometric Method

LC18640	Sodium AA Standard, 1000ppm	LC22810
LC25550	Water, Deionized	LC26750
LC25680		

Strontium 3500–Sr B Flame Emission Photometric Method

LC11140	Nitric Acid, ACS	LC17700
LC14950	Strontium AA Standard, 1000ppm	LC25400

Sulfate 4500–SO₄²⁻ C, D Gravimetric Method with Ignition

LC11510	Barium Chloride, 10% w/v	LC11600
LC22370	Hydrochloric Acid, 50% v/v (1+1)	LC15130
	Methyl Red, 0.1%	LC17120
	Silver Nitrate–Nitric Acid	LC22750

APHA Cross Reference

**Sulfate 4500-SO₄²⁻ E
Turbidimetric Method**

Barium Chloride, ACS	LC11560
Buffer Solution A	LC12570
Buffer Solution B	LC12575
Sodium Sulfate, Anhydrous	LC24880
Sulfate Standard, 100ppm	LC25500

**Sulfide 4500-S²⁻ B, C
Separation and Sample Pretreatment**

Aluminum Chloride Solution	LC10820
Sodium Hydroxide, 6.0N	LC24460
Zinc Acetate Solution	LC27100

**Sulfide 4500-S²⁻ D
Methylene Blue Method**

Amine Sulfuric Acid Reagent	LC10880
Ammonium Phosphate, 40%	LC11295
Ferric Chloride Solution	LC14380
Methylene Blue, 0.1%	LC16900
Sulfuric Acid, 50% v/v (1+1)	LC25640

**Sulfide 4500-S²⁻ E
Gas Dialysis, Automated Methylene Blue Method**

Hydrochloric Acid, 6.0N	LC15370
Sodium Hydroxide, 0.01N	LC24200
Sodium Hydroxide, 1.0N	LC24350
Zinc Acetate Solution	LC27100

**Sulfide 4500-S²⁻ F
Iodometric Method**

Hydrochloric Acid, 6.0N	LC15370
Iodine, 0.025N	LC15620
Sodium Thiosulfate, 0.025N	LC25020
Starch Indicator, 1%	LC25310

**Sulfite 4500-SO₃²⁻ B
Iodometric Method**

EDTA, 5% w/v	LC13930
Potassium Iodate-Iodide, 0.002083M	LC19660
Starch Indicator, 1%	LC25310
Sulfamic Acid, Reagent	LC25420
Sulfuric Acid, 50% v/v (1+1)	LC25640

**Surfactants 5540 C
Anionic Surfactants as MBAS**

Chloroform, ACS	LC13040
Hydrogen Peroxide, 30% w/w	LC15430
Methanol, ACS	LC16800
Methylene Blue Reagent	LC16970
Phenolphthalein, 1%	LC18220
Sodium Hydroxide, 1.0N	LC24350
Sulfuric Acid, 1.0N	LC25770
Sulfuric Acid, 6.0N	LC25850
Wash Solution	LC26700
Water, Deionized	LC26750

**Turbidity 2130 B
Nephelometric Method**

Turbidity Standard (Formazin)	LC26290
Turbidity Stock Solution I	LC26300
Turbidity Stock Solution II	LC26320

**Vanadium 3500-V B
Gallic Acid Method**

Mercuric Nitrate, 0.35g/L	LC16680
Vanadium AA Standard, 1000ppm	LC26640

**Zinc 3500-Zn D (19th Ed.)
Dithizone Method No. I**

Acetic Acid, ACS	LC10100
Dithizone	LC13687
Hydrochloric Acid, 0.02N	LC15170
Sodium Acetate, 2.0M	LC22850
Water, Deionized	LC26750
Zinc AA Standard, 1000ppm	LC27150

**Zinc 3500-Zn E (19th Ed.)
Dithizone Method No. II**

Acetic Acid, ACS	LC10100
Ammonium Hydroxide, ACS	LC11050
Dithizone	LC13687
Methyl Red, 0.1%	LC17120
Nitric Acid, 6.0N	LC17870
Sodium Sulfide, 3% w/v	LC24920
Water, Deionized	LC26750
Zinc AA Standard, 1000ppm	LC27150

ASTM Cross Reference

Acid Number of Petroleum Products by Potentiometric Titration

D664-01

Hydrochloric Acid, 0.1N in Isopropanol	LC15400
Hydrochloric Acid, 0.2N in Isopropanol	LC15410
Potassium Chloride Electrolyte	LC18800
Potassium Hydroxide, 0.1N in Isopropanol Titration (TAN) Solvent	LC19550 LC26140

Acidity or Alkalinity

D1067-06 Method A

Hydrochloric Acid, 0.02N	LC15170
Sodium Hydroxide, 0.02N	LC24220
Sulfuric Acid, 0.02N	LC25660

Acidity or Alkalinity

D1067-06 Method B

Bromocresol Green, 0.1%	LC11850
Hydrochloric Acid, 0.02N	LC15170
Methyl Orange, 0.05%	LC17000
Methyl Purple Indicator	LC17070
Methyl Red, 0.1%	LC17120
Phenolphthalein, 0.5%	LC18200
Sodium Hydroxide, 0.02N	LC24220

Acidity or Alkalinity

D1067-06 Method C

Hydrochloric Acid, 0.02N	LC15170
Hydrogen Peroxide, 30% w/w	LC15430
Phenolphthalein, 0.5%	LC18200
Sodium Hydroxide, 0.02N	LC24220
Sulfuric Acid, 0.02N	LC25660

Ammonia Nitrogen

D1426-08, Method A

Ammonia (as Nitrogen) Standard, 1000ppm	LC17940
EDTA, 50% w/v	LC13950
Nessler's Reagent	LC17600
Sodium Hydroxide, 24% w/v	LC24100
Sodium Potassium Tartrate, 30% w/v	LC24830
Zinc Sulfate, 10% w/v	LC27230

Calcium and Magnesium

D511-08, Method A

Calcium Standard, 1 ml = 0.4mg Ca	LC12700
EDTA, 0.01M	LC13850
Eriochrome Black T, Dry in NaCl	LC14050
Hydroxylamine Hydrochloride, 3% w/v	LC15520
Murexide Indicator, Dry in NaCl	LC17510
Potassium Ferrocyanide Trihydrate	LC19055
Sodium Cyanide, 2.5% w/v	LC23700
Sodium Hydroxide, 8% w/v	LC24060
Water Hardness Buffer	LC26810

Chemical Oxygen Demand

D1252-00, Method A

Ferriin Indicator	LC14450
Ferrous Ammonium Sulfate, 0.25N	LC14530
Potassium Hydrogen Phthalate, 0.05N	LC18700
Potassium Dichromate, 0.025N	LC18950
Potassium Dichromate, 0.25N	LC19010
Silver Sulfate-Sulfuric Acid	LC22760

Chloride Ion

D512-04, Method A

Diphenylcarbazone-Bromophenol Blue	LC13680
Hydrogen Peroxide, 30% w/w	LC15430
Hydroquinone Solution, 1% w/v	LC15500
Mercuric Nitrate, 0.025N	LC16657
Nitric Acid, ACS	LC17700
Sodium Chloride, 0.025N	LC23550
Sodium Hydroxide, 1% w/v	LC24000

Chloride Ion

D512-04, Method B

Hydrogen Peroxide, 30% w/w	LC15430
Phenolphthalein, 1% w/v	LC18220
Potassium Chromate Indicator	LC18850
Silver Nitrate, 0.025N	LC22640
Sodium Chloride, 0.025N	LC23550
Sodium Hydroxide, 1% w/v	LC24000
Sulfuric Acid, 5% v/v (1+19)	LC25570

ASTM Cross Reference

Dissolved Oxygen D888-05, Method A

Alkaline Iodide Solution	LC10640
Alkaline Iodide Azide, Solution I	LC10670
Alkaline Iodide Azide, Solution II	LC10690
Manganous Sulfate Solution	LC16570
Phenylarsine Oxide, 0.005N	LC18340
Phenylarsine Oxide, 0.025N	LC18380
Phenylarsine Oxide, 0.0375N	LC18390
Potassium Biiodate, 0.025N	LC18730
Potassium Biiodate, 0.0375N	LC18737
Potassium Fluoride, 40% w/v	LC19100
Potassium Oxalate, 20g/L	LC19840
Potassium Permanganate, 6.3g/L	LC19900
Starch, 0.5%	LC25300
Sulfuric Acid, ACS	LC25550

Electrical Conductivity and Resistivity D1125-95 (2005)

Hydrochloric Acid, ACS	LC14950
Hydrochloric Acid, 50% v/v (1+1)	LC15130
Isopropyl Alcohol, ACS	LC15750
Platinizing Solution	LC18680
Potassium Chloride, Reagent	LC18790
Potassium Chloride Reference Solutions	pp 27-29

Fluoride Ion D1179-04, Method B

Buffer for Fluoride	LC12580
Fluoride Standard, 10ppm	LC14570
Fluoride Standard, 1000ppm	LC14600
TISAB II	LC26130

Hardness D1126-02

Ammonium Hydroxide, (1+4)	LC11160
Buffer Solution, Water Hardness	LC26840
Calcium Standard, 1000ppm	LC12700
EDTA, 0.01M, 1ml = 1mg CaCO ₃	LC13850
Eriochrome Black T, Dry in NaCl	LC14050
Hydrochloric Acid, (1+4)	LC15090
Hydroxynaphthol Blue Indicator	LC15570
Sodium Hydroxide, 5% w/v	LC24040

Hydrazine D1385-01

Hydrochloric Acid, ACS	LC14950
Hydrazine Standard, 1000ppm	LC14930
p-Dimethylaminobenzaldehyde Solution	LC13590

Nitrite-Nitrate D3867-04, Method A, B

Ammonium Chloride, 85g/L	LC10990
Copper Sulfate, 2% w/v	LC13420
Hydrochloric Acid, 50% v/v (1+1)	LC15130
Nitrate (as Nitrogen) Standard, 1000ppm	LC17900
Nitrate (as Nitrogen) Standard, 1000ppm	LC17910
Nitrite (as Nitrogen) Standard, 1000ppm	LC17920
Nitrite (as Nitrogen) Standard, 1000ppm	LC17930

pH of Water D1293-99 (2005)

Buffer, pH 1.68	LC12210
Buffer, pH 4.0	LC12270
Buffer, pH 6.86	LC12350
Buffer, pH 9.18	LC12450
Buffer, pH 10.0	LC12500
Buffer, pH 12.0	LC12560

Phosphorus D515-82 B (1987 Edition)

Amino-Naphthol-Sulfonic Acid	LC10860
Ammonium Molybdate, 4.8%	LC11215
Sulfuric Acid, 37% v/v	LC25620

Residual Chlorine D1253-03

Acetate Buffer, pH 4.0	LC10030
Phenylarsine Oxide, 0.00564N	LC18360
Phosphate Buffer, pH 7.0	LC18520
Potassium Biiodate, 0.0282N	LC18735
Potassium Iodide, 5% w/v	LC19740

ASTM Cross Reference**Silica****D859-05**

Amino-Naphthol-Sulfonic Acid	LC10890
Ammonium Molybdate, 7.5% w/v	LC11220
Hydrochloric Acid, 50% v/v (1+1)	LC15130
Oxalic Acid, 10% w/v	LC18080
Silica Standard, 1000ppm	LC22390

Sulfate Ion**D516-02**

Barium Chloride	LC11560
Conditioning Reagent for Sulfate	LC13320
Sulfate Standard, 100ppm	LC25500

Total Kjeldahl Nitrogen**D3590-02, Method A**

Ammonia (as Nitrogen) Standard, 1000ppm	LC17940
Boric Acid, 2%	LC11720
Digestion Solution	LC10550
Methyl Purple Indicator	LC17070
Methyl Red-Methylene Blue	LC17170
Nessler's Reagent	LC17600
Phenolphthalein, 0.5%	LC18200
Sodium Hydroxide, 0.02N	LC24220
Sodium Hydroxide, 10.0N	LC24500
Sodium Hydroxide-Thiosulfate	LC24600
Sulfuric Acid, 0.02N	LC25660

Additional Information

Use Of Products:

LabChem products are integral parts for a variety of applications and processes. However, they are not intended for food, drug, or household use. All products should be handled only by qualified, trained personnel who are familiar with the potential chemical and health hazards.

Pricing:

While we strive to maintain our prices, inflation can be a relentless driver. Therefore, LabChem reserves the right to change prices without notice. In particular, pricing for precious metals, rare earth materials, and petroleum related products can change rapidly. We are happy to quote current prices at any time. Prices do not include transportation or hazardous materials charges.

Special Requirements:

If you cannot find your specific requirement in our catalog, please contact us. A substantial portion of our business is the manufacture of custom products (specials) – items with unique materials, testing or packaging – at prices you can afford.

Shipping:

We endeavor to ship most catalog items to you within 24 hours, in an efficient and cost sensitive manner. In most instances, catalog items are shipped via FedEx, UPS, or a carrier of your designation. Larger shipments or shipments containing multiple hazards usually travel via LTL freight. Transportation charges will be prepaid and added to the invoice as a separate line item.

Shipment Of Hazardous Materials:

FedEx, UPS, and other air carriers have strict regulations and limitations concerning acceptable quantities. Carriers typically impose a surcharge on items considered hazardous by DOT. A special packaging charge will also be added for certain hazardous items shipped by FedEx, UPS, or by air. This packaging is necessary to conform to DOT, IATA, and/or carrier-specific requirements.

Transportation:

FOB LabChem Inc
UPS/FedEx Prepay and Add
LTL Freight Collect or Prepay and Add

Terms:

Net 30 days. We gladly accept VISA, MasterCard, and American Express. LabChem only sells and ships to qualified customers.

Additional Information

Technical Support:

LabChem is proud to have highly skilled chemists available to answer technical questions and product inquiries. Please contact chemist@LabChem.com or 412-826-5230 and let our qualified personnel answer your questions and concerns.

Claims:

Please inspect your order upon receipt. If you have any product concerns with your shipment, please contact our customer service department immediately. Items damaged during shipment should be reported to the carrier upon receipt.

Many of our aqueous solutions can freeze during transit in the winter months. Gently warm the solution and mix thoroughly before use. Our technical support staff can help if you have any questions about your product.

Returns:

Any request to return a product must first be approved by our customer service department. Catalog items may be returned with prior approval, and are subject to a restocking fee and return transportation costs. Any unapproved return will be rejected. Return shipments must be properly packaged in accordance with all DOT and shipment regulations. Custom items may not be returned.

Limited Product Warranty:

LabChem warrants that our products will meet our specifications for the duration of their shelf life unless otherwise specified. Liability is limited to either a no-charge replacement or a refund of the purchase price. LabChem will not be liable for any incidental, consequential, or compensatory damages arising from the use of, or in conjunction with, its products. All information in the catalog and on our web site, as well as all statements made by LabChem personnel, are believed to be accurate but are presented without warranty of any kind.

DEA List I Chemicals:

The Drug Enforcement Agency has regulated the use of certain chemicals. Regulated items are identified in the catalog. DEA registration or a letter of intended use from the ship-to location must be on file to purchase these items. Please contact our compliance department for further information.

Trademark:

"Cubitainer" is a registered trademark of Zacros America, Inc.

"Eriochrome" is registered trademark of Huntsman International LLC.

"Triton X-100" is a registered trademark of The Dow Chemical Company.

"Polyseed" and "Polyseed NX" are registered trademarks of International Laboratory Supply, Ltd.

"Brij" is registered trademark of Croda International PLC.

Periodic Table of Elements

1 H Hydrogen 1.008	2 He Helium 4.003	3 Li Lithium 6.941	4 Be Beryllium 9.012	5 B Boron 10.811	6 C Carbon 12.011	7 N Nitrogen 14.007	8 O Oxygen 15.999	9 F Fluorine 18.998	10 Ne Neon 20.180
11 Na Sodium 22.990	12 Mg Magnesium 24.305	13 Al Aluminum 26.982	14 Si Silicon 28.086	15 P Phosphorus 30.974	16 S Sulfur 32.066	17 Cl Chlorine 35.453	18 Ar Argon 39.948	19 K Potassium 39.098	20 Ca Calcium 40.078
21 Sc Scandium 44.956	22 Ti Titanium 47.867	23 V Vanadium 50.942	24 Cr Chromium 51.996	25 Mn Manganese 54.938	26 Fe Iron 55.845	27 Co Cobalt 58.933	28 Ni Nickel 58.693	29 Cu Copper 63.546	30 Zn Zinc 65.38
37 Rb Rubidium 85.468	38 Sr Strontium 87.62	39 Y Yttrium 88.906	40 Zr Zirconium 91.224	41 Nb Niobium 92.906	42 Mo Molybdenum 95.95	43 Tc Technetium 98.907	44 Ru Ruthenium 101.07	45 Rh Rhodium 102.906	46 Pd Palladium 106.42
55 Cs Cesium 132.905	56 Ba Barium 137.327	57-71 Lanthanide	72 Hf Hafnium 178.49	73 Ta Tantalum 180.948	74 W Tungsten 183.84	75 Re Rhenium 186.207	76 Os Osmium 190.23	77 Ir Iridium 192.22	78 Pt Platinum 195.08
87 Fr Francium 223.020	88 Ra Radium 226.025	89-103 ** Actinide	104 Rf Rutherfordium (267)	105 Db Dubnium (268)	106 Sg Seaborgium (269)	107 Bh Bohrium (270)	108 Hs Hassium (277)	109 Mt Meitnerium (278)	110 Ds Darmstadtium (281)
57 La Lanthanum 138.906	58 Ce Cerium 140.115	59 Pr Praseodymium 140.908	60 Nd Neodymium 144.24	61 Pm Promethium (144.913)	62 Sm Samarium 150.36	63 Eu Europium 151.964	64 Gd Gadolinium 157.25	65 Tb Terbium 158.925	66 Dy Dysprosium 162.50
89 Ac Actinium (227.028)	90 Th Thorium 232.038	91 Pa Protactinium 231.036	92 U Uranium 238.029	93 Np Neptunium (237.048)	94 Pu Plutonium (244.064)	95 Am Americium (243.061)	96 Cm Curium (247.070)	97 Bk Berkelium (247.070)	98 Cf Californium (251.080)
67 Ho Holmium 164.930	68 Er Erbium 167.26	69 Tm Thulium 168.934	70 Yb Ytterbium 173.04	71 Lu Lutetium 174.967	81 Tl Thallium 204.383	82 Pb Lead 207.2	83 Bi Bismuth 208.980	84 Po Polonium (208.982)	85 At Astatine (209.987)
113 Nh Nihonium (286)	114 Fl Flerovium (289)	115 Mc Moscovium (289)	116 Lv Livermorium (293)	117 Ts Tennessine (294)	118 Og Oganesson (294)	119 Uu Ununennium (295)	120 Uub Unbinilium (295)	121 Uut Untrium (296)	122 Uuq Unquadium (296)

Basic Product Label Information

The diagram shows a chemical product label for Bouin's Fixative. The label is divided into several sections, each identified by a number:

- 1:** Product Name: Bouin's Fixative
- 2:** Catalog Number: Cat #: LC117904
- 3:** Product Size: Size: 4L
- 4:** Expiration Date: Exp Date: 3/7/15
- 5:** Lot Number: Lot #: C065-17
- 6:** Hazard Pictograms: A box containing three hazard symbols: a flame (F+), a skull and crossbones (T+), and a biohazard symbol (H+).
- 7:** Shipping Information: DOT: UN3265, Corrosive liquid, acidic, organic, n.o.s. (Formaldehyde, acetic acid), 8, P.G.III. For chemical emergencies, call (800) 424-9300 or 011-703-527-3887.
- 8:** Laboratory Use: For laboratory or manufacturing use only. Not for food, drug, or household use.
- 9:** Contact Information: LabChem performance through chemistry. Jackson's Pointe Commerce Park - Building 1000, 1010 Jackson's Pointe Court, Zellenople, PA 16063 | 412.826.5230
- 10:** Manufacturer Information: Jackson's Pointe Commerce Park - Building 1000, 1010 Jackson's Pointe Court, Zellenople, PA 16063 | 412.826.5230
- 11:** Special or Additional Product Information: WARNING! PICRIC ACID IS EXPLOSIVE WHEN DRY!
- 12:** Precaution Phrases: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves/protective clothing/eye protection/face protection. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Do not breathe mist/vapors/spray. Use only outdoors or in a well-ventilated area. Contaminated clothing must not be allowed out of the workplace. Avoid release to the environment. Store locked up. Dispose of contents/container to comply with local, state and federal regulations.
- 13:** Hazard Phrases: Danger! Harmful if swallowed. Causes severe skin burns and eye damage. May cause an allergic skin reaction. May cause cancer. Causes damage to organs. Toxic to aquatic life.
- 14:** Product Contents: Contains: formaldehyde (CAS 50-00-0) - 7% w/w, picric acid (CAS 88-89-1) - 1.3%, acetic acid, glacial (CAS 64-19-7) - 4.8%, water (CAS 7732-18-5) - 83.3%

- 1) **Product Description.** Additional information (concentration, grade, test method, etc.) may be included.
- 2) **Catalog Number with Bar Code.**
- 3) **Product Size.**
- 4) **Expiration Date.**
- 5) **Lot Number with Bar Code.**
- 6) **Pictograms.** Required by the updated OSHA Hazard Communication Standard.
- 7) **The U.S. Department of Transportation Shipping Information.** Includes the UN/NA number, DOT proper shipping name, hazard class, and packing group.
- 8) **Laboratory use.** LabChem's products are for laboratory and manufacturing use only.
- 9) **Emergency and Spill Information.**
- 10) **Contact Information.**
- 11) **Special or Additional Product Information.**
- 12) **Precaution Phrases.**
- 13) **Hazard Phrases.** Item specific precautions, including potential health hazards.
- 14) **Product Contents.** Includes the Chemical Abstracts Services (CAS) Registry Number.



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