

ACS Reagents



Advantages of GR ACS Reagents from EMD Chemicals

Our commitment

As an affiliate of Merck KGaA, we have been in the business of making chemicals for over 300 years.

We promptly notify you of market events likely to disrupt new material supply, such as force majeure, plant closings and unplanned maintenance/repair turn-arounds.

As a matter of protocol, EMD routinely audits our raw material manufacturers and pre-qualifies multiple global sources to assure reliable supply.

Production excellence

As a manufacturer we take great pride in our production facilities and welcome audits of our sites. We understand the importance direct interaction, accountability and the ability to move quickly on any quality related issues plays in our customer relationships.

Our facilities are ISO 9001 and RC 14001 certified.

Being a primary manufacturer gives us the flexibility to provide you with customized products, sizes, packaging, and certifications.

Regulatory system that notifies registered customers of raw material or production changes.

We keep our specs up-to-date

Through our involvement with ACS' Committee on Analytical Reagents, we are able to take the lead in conforming our GR ACS Reagents to the latest published specifications.

The signatures on EMD's C of A's are those of our employees.

C of A's & MSDS are readily accessible on our website or by phone.

Our products are widely distributed

Global distribution through our corporate parent, Merck KGaA

Available through a wide variety of distributors throughout the U.S.

No need to validate a new product in the event of switching to a different distributor

Large production lots result in less lot-to-lot variability.

Our support teams are among the best in the business

Our Technical Service team is well versed in a wide variety of practical lab applications and has years of hands on experience to draw on for problem solving.

Our Customer Service team is recognized as among the best in the business and consistently wins awards for supplier call center excellence.



ACS Reagents

EMD Chemicals' GR ACS Reagents are suitable for a multitude of uses in the analytical laboratory. The designation "GR" stands for Guaranteed Reagent, a term first used by Emmanuel Merck in 1888. It was his guarantee of a consistent, high quality product. In that tradition, as part of Merck KGaA, Darmstadt, Germany, EMD Chemicals is pleased to offer GR ACS Reagents that meet or exceed American Chemical Society (ACS) specifications detailed in the 10th edition of Reagent Chemicals: Specifications and Procedures (2006).

Setting the Standard

At this time, the ACS is the only organization in the world that sets requirements and develops validated test methods for establishing the purity of reagent chemicals. These specifications are set by ACS' Committee on Analytical Reagents. For nearly 20 years, Charles W. Wilson, EMD's Quality Assurance Manager, has been an active member of this committee, integrally involved in setting the industry standards for new reagents. And it is his name that is found at the bottom of each Certificate of Analysis of EMD's GR ACS Reagents.

USP/NF Monograph Testing

Pharmaceutical, Nutritional, Food, and Cosmetic companies produce United States Pharmacopoeia/ National Formulary (USP/NF) finished products or use USP/NF raw materials in their manufacturing operations. Requirements for analytical reagents that may be used in the testing of these USP/NF materials are specified in the Reagents, Indicators, and Solutions section of the USP. Only reagents that conform to these specifications may be used for the testing of USP/NF products. In this brochure, all EMD reagents that meet these specifications are denoted by the designation "Meets Reagent Specifications for testing USP/NF monographs."



Tradition of Innovation

From thin layer chromatography (TLC) plates introduced in the 1950's and Proteinase K developed in the 1970's, to the green chemistry of today's ionic liquids, Merck KGaA continues to deliver innovative products that positively impact the way that scientific research is conducted around the world.

In that tradition, EMD led the way by being first to offer a tamper-evident, rectangular, dry-powder bottle to the North American market and more recently by launching a tamper-evident cap for organic solvents. Before that, EMD became the first US supplier to offer high purity solvents in returnable, stainless steel

EM ReCycler® containers. The patented Prolift® carton was introduced in the 1990's to help EMD's customers avoid back injuries by making it easier to lift and carry heavy multi-bottle cases. More recently the inserts used in these cartons were changed from expanded polystyrene (EPS) to recyclable hexacomb paperboard to enable EMD's customers to reduce their storage, waste, and disposal costs.

Investment in Quality

Over the past 20 years, EMD has invested more than \$40 million in its reagents manufacturing and packaging facility in Cincinnati, OH. The plant has doubled in size since 1995, as have the number of warehouses. A new tank farm for solvents was relocated to facilitate distillation and automated filling operations were installed for both solvents and dry powders. At the same time, EMD has continuously invested in state-of-the-art analytical instrumentation for its Product Development and Quality Control laboratories.

Customer Focus

Much of EMD's reputation and success is founded on ensuring customer satisfaction before, during, and after the sale. A wealth of information about all EMD products is easily accessible to customers 24 hours a day, 7 days a week, via our website www.emdchemicals.com/analytics where Certificates of Analysis, Material Safety Data Sheets, Certificates of Origin, product specifications, literature, and other useful documents can be accessed with just a few mouse clicks.

Yet, EMD remains one of the few companies where each caller to its toll-free line is greeted by a live operator instead of an interminable maze of computerized menus, characteristic of so many chemical suppliers today. Award-winning Customer Service and Technical Service is just a phone call away at 800-222-0342.

GR ACS Acids

EMD's GR ACS Acids exceed ACS requirements by listing test results for 15 different metals including: Aluminum, Nickel, Chromium, Copper, Lead, Magnesium and Zinc. These acids have comprehensive specifications providing laboratory personnel the quality assurance they demand.

In addition to more conventional packaging options, including clear glass bottles in 500mL, 1L and 2.5L sizes, amber glass 4L bottles, as well as 6.5 gallon glass carboys and 55 gallon high density poly drums, several of our GR ACS Acids are available in safe and easy-to-use 25L poly containers. These containers are sturdier, safer, lighter and much less awkward to use than traditional glass carboys.

EMD's GR ACS Acids also feature novel poly-coated labels that resist corrosion in the event of acid drips or spills, and are color-coded to match the acid caps for ease of identification.

GR ACS Solvents

EMD's GR ACS Solvents are manufactured using the same base ingredients we use for our higher grade solvents such as our OmniSolv® line of high purity solvents. And though designated as ACS grade they actually exceed ACS requirements having fewer impurities to start. This additional quality means you can trust EMD GR ACS solvents to deliver error-free, consistent results in your laboratory processes and applications day in and day out.

These solvents are packaged in amber glass, poly-coated glass, all poly, and metal containers in sizes that vary from 50mL up to 4L, as well as larger volume units including 20L metal pails and 55 gallon metal drums. For customers that require high volumes of solvents, EM ReCycler® returnable bulk stainless steel containers are available in sizes ranging from 18.9L to 1250L.

GR ACS Salts

EMD Chemicals offers the widest selection of ACS grade salts available on the market – both in terms of the individual chemicals offered, as well as the variety of pack sizes. Many of the inorganic salts are supplied by our parent company, Merck KGaA, Darmstadt, Germany, who has been manufacturing some salts for over 150 years.

Dry salts in quantities from 100g to 5kg are supplied in either wide-mouth amber glass or wide-mouth poly bottles. The rectangular-sided space-saving poly bottles are constructed of a special inert polymer blend to minimize product contamination and feature tamper-evident ratchet caps with high-precision moisture barrier seals for added peace of mind. Packaging options for bulk sizes include lightweight poly pails and fiber drums with poly liners.



Acetic Acid, Glacial, GR ACS

Meets Reagent Specifications for testing USP/NF monographs		
AX0073-6	500mL	Glass Bottle
AX0073P-5	500mL	Poly Coated Glass Bottle
AX0073-9	2.5L	Glass Bottle
AX0073-75	2.5L	Poly Coated Glass Bottle
AX0073-78	25L	Poly Carboy
AX0073-21	211kg	Poly Drum

Acetic Anhydride, GR ACS

Meets Reagent Specifications for testing USP/NF monographs		
AX0080-6	500mL	Glass Bottle
AX0080-5	3.78L	Glass Bottle
AX0080-7	18.9L	Poly Pail
AX0080-30	204L	Poly Drum

Acetone, GR ACS

Meets Reagent Specifications for testing USP/NF monographs		
AX0120-11	100mL	Glass Bottle
AX0120-13	500mL	Glass Bottle
AX0120-6	500mL	Glass Bottle
AX0120-9	1L	Poly Bottle
AX0120-2	1L	Glass Bottle
AX0120-14	4L	Glass Bottle
AX0120-8	4L	Glass Bottle
AX0120T-4	4L	Metal Can
AX0120P-4	4L	Poly Coated Glass Bottle
AX0120-23	18.9L	Poly Pail
AX0120-3	20L	Metal Can
AX0120-30	200L	Poly Drum
AX0120-20	200L	Metal Drum

Acetonitrile, GR ACS

Meets Reagent Specifications for testing USP/NF monographs		
AX0149-6	500mL	Glass Bottle
AX0149-1	4L	Glass Bottle
AX0149-3	20L	Metal Can
AX0149-20	200L	Metal Drum

Acetyl Chloride, GR ACS

AX0186-1	500g	Glass Bottle
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Alcohol, Reagent, GR ACS

AX0441-13	500mL	Glass Bottle
AX0441-6	500mL	Glass Bottle
AX0441-14	4L	Poly Bottle
AX0441-3	4L	Poly Bottle
AX0441-7	4L	Poly Coated Glass Bottle
AX0441T-4	4L	Metal Can
AX0441-5	20L	Metal Can
AX0441-20	208L	Metal Drum

Aluminum, GR ACS

Meets Reagent Specifications for testing USP/NF monographs		
AX0615-2	10g	Glass Bottle

Aluminum Nitrate, Nonahydrate, GR ACS

AX0705-1	500g	Glass Bottle
AX0705-3	2.5kg	Glass Bottle
AX0705-20	50kg	Fiber Box w/bag

Aluminum Sulfate, Octadecahydrate, GR ACS

AX0735-1	500g	Poly Bottle
AX0735-3	2.5kg	Poly Bottle

2-Aminoethanol, GR ACS

AX0906-1	500mL	Glass Bottle
AX0906-5	4L	Glass Bottle
AX0906-7	18.9L	Poly Pail

Ammonium, GR ACS

Meets Reagent Specifications for testing USP/NF monographs		
AX1220-1	500g	Poly Bottle
AX1220-3	2.5kg	Poly Bottle
AX1220-5	12kg	Poly Pail
AX1220-20	50kg	Fiber Drum w/bag

Ammonium Chloride, GR ACS

Meets Reagent Specifications for testing USP/NF monographs		
AX1270-1	500g	Poly Bottle
AX1270-7	2kg	Poly Bottle
AX1270-5	12kg	Poly Pail
AX1270-20	50kg	Fiber Box w/bag

Ammonium Citrate, Dibasic, GR ACS

Meets Reagent Specifications for testing USP/NF monographs		
AX1285-1	500g	Poly Bottle
AX1285-3	2.5kg	Poly Bottle
AX1285-20	50kg	Fiber Box w/bag

Ammonium Fluoride, GR ACS

Meets Reagent Specifications for testing USP/NF monographs		
AX1295-1	500g	Poly Bottle
AX1295-20	50kg	Fiber Drum w/bag

Ammonium Hydroxide, GR ACS

Meets Reagent Specifications for testing USP/NF monographs		
AX1303-6	500mL	Glass Bottle
AX1303P-5	500mL	Poly Coated Glass Bottle
AX1303-3	2.5L	Glass Bottle
AX1303-75	2.5L	Poly Coated Glass Bottle
AX1303-5	21.8kg	Glass Bottle
AX1303-21	170kg	Poly Drum

Ammonium Molybdate, Tetrahydrate, GR ACS

Meets Reagent Specifications for testing USP/NF monographs		
AX1310-3	125g	Poly Bottle
AX1310-1	500g	Poly Bottle
AX1310-5	2.5kg	Poly Bottle
AX1310-31	45kg	Fiber Drum w/bag

Ammonium Nitrate, GR ACS

Meets Reagent Specifications for testing USP/NF monographs		
AX1315-1	500g	Poly Bottle
AX1315-3	2.5kg	Poly Bottle
AX1315-20	50kg	Fiber Box w/bag

Ammonium Oxalate, Monohydrate, GR ACS

Meets Reagent Specifications for testing USP/NF monographs		
AX1325-2	250g	Poly Bottle
AX1325-1	500g	Poly Bottle
AX1325-20	50kg	Fiber Drum w/bag

Ammonium Persulfate, GR ACS

Meets Reagent Specifications for testing USP/NF monographs		
AX1340-1	500g	Poly Bottle
AX1340-3	2.5kg	Poly Bottle
AX1340-7	12kg	Poly Pail
AX1340-20	50kg	Fiber Drum w/bag

Ammonium Phosphate, Dibasic, GR ACS

Meets Reagent Specifications for testing USP/NF monographs		
AX1355-1	500g	Poly Bottle
AX1355-3	2.5kg	Poly Bottle
AX1355-20	45kg	Fiber Drum w/bag

Ammonium Phosphate, Monobasic, GR ACS

Meets Reagent Specifications for testing USP/NF monographs		
AX1350-1	500g	Poly Bottle
AX1350-7	12kg	Poly Pail
AX1350-20	50kg	Fiber Box w/bag

Ammonium Sulfate, GR ACS

Meets Reagent Specifications for testing USP/NF monographs		
AX1385-1	500g	Poly Bottle
AX1385-3	2.5kg	Poly Bottle
AX1385-5	12kg	Poly Pail
AX1385-20	50kg	Fiber Drum w/bag

Ammonium Thiocyanate, GR ACS

Meets Reagent Specifications for testing USP/NF monographs		
AX1415-1	500g	Poly Bottle
AX1415-5	2.5kg	Poly Bottle

Antimony Trichloride, GR ACS

Meets Reagent Specifications for testing USP/NF monographs		
AX1675-1	500g	Poly Bottle

Arsenic Trioxide, GR ACS

Meets Reagent Specifications for testing USP/NF monographs		
AX1745-2	100g	Glass Bottle
AX1745-1	500g	Poly Bottle

Ascorbic Acid, GR ACS

AX1775-3	100g	Poly Bottle
AX1775-2	250g	Poly Bottle
AX1775-5	2.5kg	Poly Bottle

Barium Chloride, Dihydrate, GR ACS

Meets Reagent Specifications for testing USP/NF monographs		
BX0060-1	500g	Poly Bottle
BX0060-5	12kg	Poly Pail
BX0060-20	50kg	Fiber Drum w/bag

Benzene, GR ACS

Meets Reagent Specifications for testing USP/NF monographs		
BX0220-11	100mL	Glass Bottle
BX0220-13	500mL	Glass Bottle
BX0220-6	500mL	Glass Bottle
BX0220-14	4L	Glass Bottle
BX0220-5	4L	Glass Bottle
BX0220-3	20L	Metal Can
BX0220-20	200L	Metal Drum

Benzoic Acid, GR ACS

BX0360-1	500g	Poly Bottle
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Benzyl Alcohol, GR ACS

BX0483-3	4L	Glass Bottle
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Boric Acid, Crystals, GR ACS

Meets Reagent Specifications for testing USP/NF monographs		
BX0865-1	500g	Poly Bottle
BX0865-3	2.5kg	Poly Bottle
BX0865-5	12kg	Poly Pail

Bromine, GR ACS

Meets Reagent Specifications for testing USP/NF monographs		
BX0965-6	300mL	Glass Bottle
BX0965-1	150mL	Glass Bottle

Bromophenol Blue, Sodium Salt, GR ACS

BX1415-7	25g	Glass Bottle
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2-Butanone, GR ACS

BX1670-3	4L	Glass Bottle
BX1670-5	20L	Metal Can
BX1670-30	200L	Metal Drum

Butyl Acetate, GR ACS

Meets Reagent Specifications for testing USP/NF monographs		
BX1735-1	500mL	Glass Bottle
BX1735-5	4L	Glass Bottle
BX1735-6	4L	Poly Coated Glass Bottle
BX1735-7	20L	Metal Can

Butyl Alcohol, GR ACS

Meets Reagent Specifications for testing USP/NF monographs		
BX1780-11	100mL	Glass Bottle
BX1780-6	500mL	Glass Bottle
BX1780-5	4L	Glass Bottle
BX1780-3	20L	Metal Can
BX1780-20	200L	Metal Drum

Calcium Acetate, Monohydrate, GR ACS

CX0091-1	500g	Glass Bottle
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Calcium Carbonate, GR ACS

CX0110-1	500g	Glass Bottle
CX0110-5	2.5kg	Poly Pail
CX0110-20	50kg	Fiber Drum w/bag

Calcium Chloride, Anhydrous, Desiccant, GR ACS

Meets Reagent Specifications for testing USP/NF monographs		
CX0156-1	500g	Poly Bottle
CX0156-3	2.5kg	Poly Bottle
CX0156-30	50kg	Fiber Drum w/bag

Calcium Chloride, Dihydrate, GR ACS

Meets Reagent Specifications for testing USP/NF monographs		
CX0130-1	500g	Poly Bottle
CX0130-2	1kg	Poly Bottle
CX0130-6	5kg	Poly Pail
CX0130-20	50kg	Fiber Drum w/bag

Calcium Hydroxide, GR ACS

Meets Reagent Specifications for testing USP/NF monographs		
CX0220-1	500g	Poly Bottle
CX0220-5	2.5kg	Poly Bottle

Calcium Nitrate, Tetrahydrate, GR ACS

Meets Reagent Specifications for testing USP/NF monographs		
CX0255-1	500g	Poly Bottle
CX0255-5	2.5kg	Poly Bottle
CX0255-20	50kg	Fiber Drum w/bag

Calcium Sulfate, Dihydrate, GR ACS

Meets Reagent Specifications for testing USP/NF monographs		
CX0298-1	100g	Poly Bottle
CX0298-3	500g	Poly Bottle
CX0298-20	50kg	Fiber Drum w/bag

Carbon Disulfide, GR ACS

Meets Reagent Specifications for testing USP/NF monographs		
CX0395-6	500mL	Poly Coated Glass Bottle
CX0395-5	2.5L	Poly Coated Glass Bottle
CX0395-3	20L	Metal Can

Ceric Ammonium Nitrate, GR ACS

Meets Reagent Specifications for testing USP/NF monographs		
CX0595-3	500g	Glass Bottle

Chlorobenzene, GR ACS

CX0855-6	1kg	Glass Bottle
CX0855-3	4kg	Glass Bottle
CX0855P-1	4kg	Poly Coated Glass Bottle
CX0855-5	20L	Metal Can
CX0855-30	500LB	Metal Drum

Chloroform, GR ACS

Meets Reagent Specifications for testing USP/NF monographs		
CX1055-11	100mL	Glass Bottle
CX1055-13	500mL	Glass Bottle
CX1055-6	500mL	Glass Bottle
CX1055-2	1L	Glass Bottle
CX1055-14	4L	Glass Bottle
CX1055-9	4L	Glass Bottle
CX1055P-4	4L	Poly Coated Glass Bottle
CX1055T-4	4L	Metal Can
CX1055-3	20L	Metal Can
CX1055-20	295kg	Metal Drum

Citric Acid, Anhydrous, GR ACS

Meets Reagent Specifications for testing USP/NF monographs		
CX1723-1	500g	Poly Bottle
CX1723-3	2.5kg	Poly Bottle
CX1723-7	12kg	Poly Pail
CX1723-20	45kg	Fiber Drum w/bag

Citric Acid, Monohydrate, Granular, GR ACS

CX1725-1	500g	Poly Bottle
CX1725-3	2.5kg	Poly Bottle
CX1725-5	12kg	Poly Pail
CX1725-20	50kg	Fiber Drum w/bag

Citric Acid, Monohydrate, Powder, GR ACS

CX1727-1	500g	Poly Bottle
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Cobalt(II) Chloride, Hexahydrate, GR ACS

Meets Reagent Specifications for testing USP/NF monographs		
CX1800-3	125g	Glass Bottle
CX1800-4	500g	Poly Bottle
CX1800-5	2.5kg	Glass Bottle

Cobalt(II) Nitrate, Hexahydrate, GR ACS

Meets Reagent Specifications for testing USP/NF monographs		
CX1810-6	250g	Poly Bottle

Copper, Fine Powder, GR

CX1925-2	250g	Poly Bottle
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Cupferron, GR ACS

CX2120-2	125g	Poly Bottle
CX2120-1	500g	Poly Bottle

Cupric Chloride, Dihydrate, GR ACS

CX2150-1	500g	Poly Bottle
CX2150-5	2.5kg	Poly Bottle

Cupric Sulfate, Pentahydrate, Fine Crystals, GR ACS

Meets Reagent Specifications for testing USP/NF monographs		
CX2185-1	500g	Poly Bottle
CX2185-5	2.5kg	Poly Bottle
CX2185-7	12kg	Poly Pail
CX2185-20	50kg	Fiber Drum w/bag

Cyclohexane, GR ACS

Meets Reagent Specifications for testing USP/NF monographs
CX2290-7 500mL Glass Bottle

CX2290-1 1L Glass Bottle

CX2290-3 4L Glass Bottle

CX2290-5 20L Metal Can

CX2290-30 200L Metal Drum

Cyclohexanone, GR ACS

CX2335-1 4L Glass Bottle

CX2335-5 20L Metal Can

CX2335-20 200L Metal Drum

Dextrose, Anhydrous, GR ACS

Meets Reagent Specifications for testing USP/NF monographs
DX0145-11 100g Poly Bottle

DX0145-1 500g Poly Bottle

DX0145-3 2.5kg Poly Bottle

DX0145-5 12kg Poly Pail

DX0145-20 45kg Fiber Drum w/bag

1,2-Dichloroethane, GR ACS

Meets Reagent Specifications for testing USP/NF monographs
DX0800-2 500mL Glass Bottle

DX0800-3 4L Glass Bottle

DX0800-5 20L Metal Can

DX0800-NP20 20L NOWPak®

DX0800-30 200L Metal Drum

Dichloromethane, GR ACS

Meets Reagent Specifications for testing USP/NF monographs
DX0835-6 500mL Glass Bottle

DX0835-9 1L Metal Can

DX0835-8 1L Glass Bottle

DX0835-14 4L Glass Bottle

DX0835-3 4L Glass Bottle

DX0835P-4 4L Poly Coated Glass Bottle

DX0835-5 20L Metal Can

DX0835-20 200L Metal Drum

Diethylamine, GR ACS

DX1044-1 500mL Glass Bottle

DX1044-5 4L Metal Can

DX1044-7 20L Metal Can

4,5-Dihydroxy-2,7-Naphthalenedisulfonic Acid Sodium Salt, GR ACS

DX1460-1 25g Glass Bottle

p-Dimethylaminobenzaldehyde, GR ACS

Meets Reagent Specifications for testing USP/NF monographs
DX1590-3 100g Poly Bottle

N,N-Dimethylformamide, GR ACS

Meets Reagent Specifications for testing USP/NF monographs
DX1730-6 500mL Glass Bottle

DX1730-1 4L Glass Bottle

DX1730-3 20L Metal Can

DX1730-20 200L Metal Drum

p-Dioxane, GR ACS

Meets Reagent Specifications for testing USP/NF monographs
DX2090-2 150mL Glass Bottle

DX2090-6 500mL Glass Bottle

DX2090T-6 1L Metal Can

DX2090-3 4L Glass Bottle

DX2090-5 20L Phenolic Lined Pail

DX2090-30 207L Metal Drum

EDTA, GR ACS

EX0534-1 500g Poly Bottle

EX0534-7 12kg Poly Pail

EX0534-31 45kg Fiber Drum w/bag

EDTA, Disodium Salt, Dihydrate, GR ACS

Meets Reagent Specifications for testing USP/NF monographs
EX0539-3 125g Poly Bottle

EX0539-1 500g Poly Bottle

EX0539-5 2.5kg Poly Bottle

EX0539-31 50kg Fiber Drum w/bag

Eriochrome Black T, GR ACS

EX0100-5 100g Glass Bottle

Ethyl Acetate, GR ACS

Meets Reagent Specifications for testing USP/NF monographs
EX0240-11 100mL Glass Bottle

EX0240-13 500mL Glass Bottle

EX0240-6 500mL Glass Bottle

EX0240-9 1L Poly Bottle

EX0240-14 4L Glass Bottle

EX0240-5 4L Glass Bottle

EX0240P-4 4L Poly Coated Glass Bottle

EX0240-3 20L Metal Can

EX0240-20 200L Metal Drum

Ethyl Alcohol, 200 Proof

EX0276-1 3000mL Glass Bottle

EX0276-4 6L Glass Bottle

EX0276-3 16L Glass Bottle

EX0276-20 200L Metal Drum

Ethyl Ether, GR ACS

Meets Reagent Specifications for testing USP/NF monographs
EX0185-8 500mL Metal Can

EX0185-6 1L Metal Can

EX0185-9 1L Glass Bottle

EX0185-3 4L Metal Can

EX0185-4 4L Glass Bottle

EX0185-5 20L Metal Can

EX0185-20 200L Metal Drum

Ethyl Ether, Anhydrous, GR ACS

Meets Reagent Specifications for testing USP/NF monographs
EX0190-8 500mL Metal Can

EX0190-9 1L Glass Bottle

EX0190-6 1L Metal Can

EX0190-4 4L Glass Bottle

EX0190-3 4L Metal Can

EX0190-5 20L Metal Can

EX0190-20 200L Metal Drum

**Optifix® HF Dispenser
for Hydrofluoric Acid**

Sapphire ball valves and PTFE valve fittings create an inert system. The unit is not autoclavable.

**Optifix® Safety Dispenser
for fuming acids, brominated compounds
and strong smelling reagents**

The piston is glass sheathed in thick PTFE. Additional lipseal prevents fumes from escaping. The unit is not autoclavable.

Specs				
Volume (mL)	0.4-2	2-10	6-30	10-50
Graduation (mL)	0.1	0.2	0.5	1.0
Accuracy (%)	0.7	0.5	0.5	0.5
Precision (%)	0.2	0.1	0.1	0.1
Pumps (Item No.)				
HF Acid Dispenser	n/a	10110638-1	10110644-1	n/a
Safety Dispenser	10110727-1	10110738-1	n/a	10110748-1

Ferric Ammonium Sulfate, Dodecahydrate, GR ACS

Meets Reagent Specifications for testing USP/NF monographs		
FX0205-1	500g	Poly Bottle
FX0205-3	2.5kg	Poly Bottle
FX0205-5	12kg	Poly Pail
FX0205-20	50kg	Fiber Drum w/bag

Ferric Chloride, Hexahydrate, GR ACS

Meets Reagent Specifications for testing USP/NF monographs		
FX0210-1	500g	Glass Bottle
FX0210-5	2.5kg	Glass Bottle
FX0210-20	25kg	Fiber Drum w/bag

Ferric Nitrate, Nonahydrate, GR ACS

Meets Reagent Specifications for testing USP/NF monographs		
FX0225-1	500g	Poly Bottle
FX0225-4	1kg	Poly Bottle

Ferric Sulfate, Hydrate, GR

FX0235-1	500g	Poly Bottle
FX0235-3	2.5kg	Poly Pail
FX0235-7	12kg	Poly Pail

Ferrous Ammonium Sulfate, Hexahydrate, GR ACS

Meets Reagent Specifications for testing USP/NF monographs		
FX0245-1	500g	Poly Bottle
FX0245-5	2.5kg	Poly Bottle
FX0245-7	12kg	Poly Pail
FX0245-20	50kg	Fiber Drum w/bag

Ferrous Sulfate, Heptahydrate, GR ACS

Meets Reagent Specifications for testing USP/NF monographs		
FX0260-1	500g	Poly Bottle
FX0260-7	12kg	Poly Pail
FX0260-20	50kg	Fiber Drum w/bag

Formaldehyde Solution, GR ACS

Meets Reagent Specifications for testing USP/NF monographs		
FX0410-13	450mL	Poly Bottle
FX0410-5	450mL	Poly Bottle
FX0410-1	3.78L	Poly Bottle
FX0410-3	18.9L	Metal Drum w/bag
FX0410-20	216kg	Metal Drum w/bag

Formamide, GR ACS

Meets Reagent Specifications for testing USP/NF monographs		
FX0420-8	500g	Glass Bottle
FX0420-6	1kg	Glass Bottle
FX0420-4	2.5L	Glass Bottle

Formic Acid, 88%, GR ACS

Meets Reagent Specifications for testing USP/NF monographs		
FX0445-6	2.5L	Poly Bottle

Formic Acid, 98%, GR ACS

Meets Reagent Specifications for testing USP/NF monographs		
FX0440-5	500mL	Poly Bottle
FX0440-7	1L	Poly Bottle
FX0440-6	2.5L	Poly Bottle
FX0440-21	25L	Metal Drum w/bag

Glycerol, GR ACS

Meets Reagent Specifications for testing USP/NF monographs		
GX0185-11	100mL	Glass Bottle
GX0185-6	500mL	Glass Bottle
GX0185-2	1L	Glass Bottle
GX0185-5	4L	Glass Bottle
GX0185-3	20L	Metal Can
GX0185-20	259kg	Metal Drum
GX0185-30	200L	Metal Drum

Glycine, GR ACS

GX0205-1	1kg	Glass Bottle
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n-Hexane, 95%, GR ACS

HX0302-6	500mL	Glass Bottle
HX0302-3	4L	Glass Bottle
HX0302P-4	4L	Poly Coated Glass Bottle
HX0302-5	20L	Metal Can
HX0302-20	200L	Metal Drum

Hexanes 98.5%, ACS

HX0299-6	500mL	Glass Bottle
HX0299-2	1L	Glass Bottle
HX0299-5	4L	Glass Bottle
HX0299P-4	4L	Poly Coated Glass Bottle
HX0299T-4	4L	Metal Can
HX0299-3	20L	Metal Can
HX0299-20	200L	Metal Drum

Hydrobromic Acid, 48%, GR ACS

HX0600-3	2.5kg	Glass Bottle
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Hydrochloric Acid, GR ACS

Meets Reagent Specifications for testing USP/NF monographs		
HX0603-4	500mL	Glass Bottle
HX0603P-5	500mL	Poly Coated Glass Bottle
HX0603-3	2.5L	Glass Bottle
HX0603-75	2.5L	Poly Coated Glass Bottle
HX0603-23	227kg	Poly Drum

Hydrofluoric Acid, 48%, GR ACS

Meets Reagent Specifications for testing USP/NF monographs		
HX0621-2	500mL	Poly Bottle
HX0621-3	1L	Poly Bottle

Hydroxylamine Hydrochloride, GR ACS

Meets Reagent Specifications for testing USP/NF monographs		
HX0770-2	100g	Poly Bottle
HX0770-1	500g	Poly Bottle
HX0770-6	1kg	Poly Bottle
HX0770-20	25kg	Metal Drum

Hydroxynaphthol Blue, GR ACS

Meets Reagent Specifications for testing USP/NF monographs		
HX0848-1	25g	Glass Bottle
HX0848-3	100g	Glass Bottle

Imidazole, GR ACS

Meets Reagent Specifications for testing USP/NF monographs		
IX0005-2	50g	Poly Bottle
IX0005-1	500g	Poly Bottle

2,2'-Iminodiethanol, GR ACS

IX0025-2	500mL	Glass Bottle
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Iodine, GR ACS

Meets Reagent Specifications for testing USP/NF monographs		
IX0120-3	125g	Glass Bottle
IX0120-1	500g	Glass Bottle
IX0120-7	12kg	Poly Pail

iso-Amyl Alcohol, GR ACS

AX1440-6	500mL	Glass Bottle
AX1440-3	4L	Glass Bottle

iso-Butyl Alcohol, GR ACS

BX1791-1	500mL	Glass Bottle
BX1791-5	4L	Glass Bottle
BX1791-20	200L	Metal Drum

iso-Propyl Alcohol, GR ACS

PX1835-11	100mL	Glass Bottle
PX1835-13	500mL	Glass Bottle
PX1835-6	500mL	Glass Bottle
PX1835-9	1L	Poly Bottle
PX1835-2	1L	Glass Bottle
PX1835-5	4L	Glass Bottle
PX1835-14	4L	Glass Bottle
PX1835P-4	4L	Poly Coated Glass Bottle
PX1835T-4	4L	Metal Can
PX1835-3	20L	Metal Can
PX1835-20	200L	Metal Drum

iso-Propyl Ether, GR ACS

PX1890-7	4L	Glass Bottle
PX1890-20	200L	Metal Drum

Lactic Acid, 85%, GR ACS

LX0020-6	500mL	Glass Bottle
LX0020-3	4L	Glass Bottle

Lactose, Monohydrate, GR ACS

Meets Reagent Specifications for testing USP/NF monographs

LX0035-1	500g	Poly Bottle
LX0035-7	12kg	Poly Pail
LX0035-20	45kg	Fiber Drum w/bag

Lead Acetate, Trihydrate, GR ACS

Meets Reagent Specifications for testing USP/NF monographs

LX0120-11	100g	Poly Bottle
LX0120-1	500g	Poly Bottle
LX0120-30	50kg	Fiber Drum w/bag

Lead Nitrate, GR ACS

Meets Reagent Specifications for testing USP/NF monographs

LX0159-11	100g	Poly Bottle
LX0159-1	500g	Poly Bottle
LX0159-20	50kg	Fiber Drum w/bag

Lithium Carbonate, GR ACS

LX0325-1	500g	Poly Bottle
LX0325-20	50kg	Poly Drum

Lithium Chloride, GR ACS

LX0331-1	500g	Poly Bottle
LX0331-3	2.5kg	Poly Bottle
LX0331-20	50kg	Fiber Drum w/bag

Lithium Hydroxide, Monohydrate, GR ACS

LX0350-1	500g	Poly Bottle
LX0350-5	2.5kg	Poly Bottle

Magnesium Chloride, Hexahydrate, GR ACS

Meets Reagent Specifications for testing USP/NF monographs

MX0045-2	250g	Poly Bottle
MX0045-1	500g	Poly Bottle
MX0045-4	1kg	Poly Bottle
MX0045-20	50kg	Fiber Drum w/bag

Magnesium Nitrate, Hexahydrate, GR ACS

Meets Reagent Specifications for testing USP/NF monographs

MX0060-1	500g	Poly Bottle
MX0060-20	50kg	Fiber Box w/bag

Magnesium Sulfate, Heptahydrate, GR ACS

Meets Reagent Specifications for testing USP/NF monographs

MX0070-1	500g	Poly Bottle
MX0070-3	2.5kg	Poly Bottle
MX0070-5	12kg	Poly Pail
MX0070-20	50kg	Fiber Drum w/bag

Manganese Sulfate, Monohydrate, GR ACS

MX0210-1	500g	Poly Bottle
MX0210-30	50kg	Fiber Drum w/bag

Mannitol, GR ACS

MX0214-3	500g	Poly Bottle
MX0214-1	3kg	Poly Pail
MX0214-30	25kg	Fiber Drum w/bag

Mercuric Acetate, GR ACS

Meets Reagent Specifications for testing USP/NF monographs

MX0335-2	250g	Poly Bottle
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Methanol, GR ACS

Meets Reagent Specifications for testing USP/NF monographs

MX0485-11	100mL	Glass Bottle
MX0485-13	500mL	Glass Bottle
MX0485-6	500mL	Glass Bottle
MX0485-9	1L	Poly Bottle
MX0485-8	1L	Glass Bottle
MX0485-14	4L	Glass Bottle
MX0485-3	4L	Poly Bottle
MX0485-7	4L	Glass Bottle
MX0485P-4	4L	Poly Coated Glass Bottle
MX0485-5	20L	Metal Can
MX0485-20	200L	Metal Drum

Methanol, Anhydrous, GR ACS

Meets Reagent Specifications for testing USP/NF monographs, Laboratory

MX0487-6	500mL	Glass Bottle
MX0487-5	4L	Glass Bottle
MX0487-3	20L	Metal Can
MX0487-20	200L	Metal Drum

2-Methoxyethanol, GR ACS

MX0515-6	500mL	38/430 Glass Bottle
MX0515-1	3kg	38/430 Glass Bottle
MX0515-30	55GA	Metal Drum

4-Methyl-2-Pentanone, GR ACS

Meets Reagent Specifications for testing USP/NF monographs

MX1300-3	4L	Glass Bottle
MX1300-5	20L	Metal Can
MX1300-30	207L	Metal Drum

1-Methyl-2-Pyrrolidone, GR ACS

MX1395-5	20L	Metal Can
MX1395-30	203L	Metal Drum

Methylsulfoxide, GR ACS

Meets Reagent Specifications for testing USP/NF monographs

MX1458-6	500mL	Glass Bottle
MX1458-3	1L	Glass Bottle
MX1458-5	4L	Glass Bottle
MX1458-7	18.9L	Poly Pail
MX1458-56	56L	Poly Drum
MX1458-30	200L	Poly Drum

Methyl-t-Butyl Ether, GR ACS

MX0819-1	500mL	Glass Bottle
MX0819-5	20L	Metal Can
MX0819-30	200L	Metal Drum

Nickelous Sulfate, Hexahydrate, GR ACS

Meets Reagent Specifications for testing USP/NF monographs

NX0350-1	500g	Poly Bottle
NX0350-4	1kg	Poly Bottle
NX0350-20	50kg	Fiber Drum w/bag

Nitric Acid, GR ACS

Meets Reagent Specifications for testing USP/NF monographs

NX0409-4	500mL	Glass Bottle
NX0409P-5	500mL	Poly Coated Glass Bottle
NX0409-2	2.5L	Glass Bottle
NX0409-75	2.5L	Poly Coated Glass Bottle

Nitrobenzene, GR ACS

Meets Reagent Specifications for testing USP/NF monographs

NX0518-1	500mL	Glass Bottle
NX0518-5	4L	Glass Bottle

Nitromethane, GR ACS

NX0615-1	500mL	Glass Bottle
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Oxalic Acid, Dihydrate, GR ACS

Meets Reagent Specifications for testing USP/NF monographs

OX0270-1	500g	Poly Bottle
OX0270-5	12kg	Poly Pail

Perchloric Acid, 60%, GR ACS

Meets Reagent Specifications for testing USP/NF monographs

PX0396D-4	2.5L	Glass Bottle
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Perchloric Acid, 70%, GR ACS

Meets Reagent Specifications for testing USP/NF monographs

PX0396A-13	1L	Glass Bottle
PX0396A-7	2.5L	Glass Bottle

Petroleum Ether, GR ACS

PX0425-6	500mL	Glass Bottle
PX0425-2	1L	Glass Bottle
PX0425-5	4L	Glass Bottle
PX0425P-4	4L	Poly Coated Glass Bottle
PX0425T-4	4L	Metal Can
PX0425-3	20L	Metal Can
PX0425-20	200L	Metal Drum

Phenol, GR ACS

Meets Reagent Specifications for testing USP/NF monographs

PX0510-1	500g	Glass Bottle
PX0510-2	1kg	Glass Bottle

Phenolphthalein, GR, ACS

PX0520-2	500g	Glass Bottle
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o-Phosphoric Acid, 85% W/W, GR ACS

Meets Reagent Specifications for testing USP/NF monographs		
PX0995-6	500mL	Glass Bottle
PX0995P-5	500mL	Poly Coated Glass Bottle
PX0995-4000	4L	Poly Bottle
PX0995-3	2.5L	Glass Bottle
PX0995P-1	2.5L	Poly Coated Glass Bottle
PX0995-78	20L	
PX0995-20	318kg	Poly Drum

Phosphoric Acid, Meta, GR ACS

Meets Reagent Specifications for testing USP/NF monographs		
PX1004-1	500g	Poly Bottle
PX1004-5	2.5kg	Poly Bottle

Phosphorus Pentoxide, GR ACS

Meets Reagent Specifications for testing USP/NF monographs		
PX1040-1	500g	Glass Bottle

Phthalic, Anhydride, GR ACS

Meets Reagent Specifications for testing USP/NF monographs		
PX1068-1	500g	Poly Bottle
PX1068-7	12kg	Poly Pail

Potassium Acetate, GR ACS

Meets Reagent Specifications for testing USP/NF monographs		
PX1330-1	500g	Poly Bottle
PX1330-3	2kg	Poly Bottle
PX1330-7	12kg	Poly Pail
PX1330-30	45kg	Fiber Drum w/bag

Potassium Bicarbonate, GR ACS

Meets Reagent Specifications for testing USP/NF monographs		
PX1345-1	500g	Poly Bottle
PX1345-30	50kg	Fiber Box w/bag

Potassium Bromide, GR ACS

Meets Reagent Specifications for testing USP/NF monographs		
PX1380-1	500g	Poly Bottle
PX1380-5	2.5kg	Poly Bottle
PX1380-7	12kg	Poly Pail
PX1380-20	50kg	Fiber Drum w/bag

Potassium Carbonate, Anhydrous, Granular, GR ACS

Meets Reagent Specifications for testing USP/NF monographs		
PX1390-1	500g	Poly Bottle
PX1390-5	2.5kg	Poly Bottle
PX1390-20	50kg	Fiber Box w/bag

Potassium Chlorate, GR ACS

Meets Reagent Specifications for testing USP/NF monographs		
PX1395-1	500g	Glass Bottle
PX1395-7	12kg	Poly Pail

Potassium Chloride, GR ACS

Meets Reagent Specifications for testing USP/NF monographs		
PX1405-1	500g	Poly Bottle
PX1405-5	2.5kg	Poly Bottle
PX1405-7	12kg	Poly Pail
PX1405-20	50kg	Fiber Drum w/bag

Potassium Cyanide, GR ACS

Meets Reagent Specifications for testing USP/NF monographs		
PX1435-1	500g	Poly Bottle
PX1435-5	2.5kg	Poly Bottle
PX1435-20	50kg	Fiber Drum w/bag

Potassium Dichromate, GR ACS

Meets Reagent Specifications for testing USP/NF monographs		
PX1445-11	100g	Poly Bottle
PX1445-1	500g	Poly Bottle
PX1445-2	1kg	Poly Bottle
PX1445-20	50kg	Fiber Drum w/bag

Potassium Ferricyanide, GR ACS

Meets Reagent Specifications for testing USP/NF monographs		
PX1455-2	250g	Poly Bottle
PX1455-1	500g	Poly Bottle
PX1455-4	1kg	Poly Bottle
PX1455-20	50kg	Fiber Drum w/bag

Potassium Ferrocyanide, Trihydrate, GR ACS

Meets Reagent Specifications for testing USP/NF monographs		
PX1460-1	500g	Poly Bottle
PX1460-20	50kg	Fiber Drum w/bag

Potassium Fluoride, GR ACS

Meets Reagent Specifications for testing USP/NF monographs		
PX1467-4	1kg	Poly Bottle
PX1467-7	12kg	Poly Pail
PX1467-30	50kg	Fiber Box w/bag

Potassium Hydrogen Phthalate, GR ACS

PX1476-3	125g	Poly Bottle
PX1476-1	500g	Poly Bottle
PX1476-5	2.5kg	Poly Bottle
PX1476-7	12kg	Poly Pail

Potassium Hydroxide, Pellets, GR ACS

Meets Reagent Specifications for testing USP/NF monographs		
PX1480-11	100g	Poly Bottle
PX1480-1	500g	Poly Bottle
PX1480-13	500g	Poly Bottle
PX1480-14	2.5kg	Poly Bottle
PX1480-5	2.5kg	Poly Bottle
PX1480-9	12kg	Poly Pail
PX1480-30	45kg	Fiber Drum w/bag

Potassium Iodide, Crystals, GR ACS

Meets Reagent Specifications for testing USP/NF monographs		
PX1505-3	125g	Poly Bottle
PX1505-1	500g	Poly Bottle
PX1505-5	2.5kg	Poly Bottle
PX1505-7	12kg	Poly Pail
PX1505-30	50kg	Fiber Drum w/bag

Potassium Iodide, Granular, GR ACS

PX1507-3	125g	Poly Bottle
PX1507-1	500g	Poly Bottle
PX1507-5	2.5kg	Poly Bottle
PX1507-7	12kg	Poly Pail
PX1507-30	45kg	Fiber Drum w/bag

Kit	Item No.
SpillSolv® Multi-Purpose Kit Acid, Caustic Et Solvent Spills	SX1300-1
SpillSolv® Acid Spill Kit	SX1310-1
SpillSolv® Caustic Spill Kit	SX1320-1
SpillSolv® Solvent Spill Kit	SX1330-1
SpillSolv® Formaldehyde Spill Kit	SX1340-1
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Potassium Nitrate, GR ACS

Meets Reagent Specifications for testing USP/NF monographs		
PX1520-1	500g	Poly Bottle
PX1520-5	2.5kg	Poly Bottle
PX1520-7	12kg	Poly Pail
PX1520-20	50kg	Fiber Drum w/bag

Potassium Oxalate, Monohydrate, GR ACS

PX1535-1	500g	Poly Bottle
PX1535-30	50kg	Fiber Drum w/bag

Potassium Permanganate, GR ACS

Meets Reagent Specifications for testing USP/NF monographs		
PX1550-1	500g	Poly Bottle
PX1550-5	2.5kg	Poly Bottle
PX1550-20	50kg	Fiber Drum w/bag

Potassium Phosphate, Dibasic, GR ACS

Meets Reagent Specifications for testing USP/NF monographs		
PX1570-1	500g	Poly Bottle
PX1570-2	1kg	Poly Bottle
PX1570-7	12kg	Poly Pail
PX1570-20	50kg	Fiber Drum w/bag

Potassium Phosphate, Monobasic, GR ACS

Meets Reagent Specifications for testing USP/NF monographs		
PX1565-1	500g	Poly Bottle
PX1565-5	2.5kg	Poly Bottle
PX1565-7	12kg	Poly Pail
PX1565-20	50kg	Fiber Drum w/bag

Potassium Phosphate, Monobasic, HPLC

PX1562-5	500g	Poly Bottle
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Potassium Pyrosulfate, GR ACS

Meets Reagent Specifications for testing USP/NF monographs		
PX1581-1	500g	Poly Bottle
PX1581-3	2.5kg	Poly Bottle
PX1581-20	50kg	Fiber Box w/bag

Potassium Sodium Tartrate, Tetrahydrate, GR ACS

Meets Reagent Specifications for testing USP/NF monographs		
PX1590-11	100g	Poly Bottle
PX1590-1	500g	Poly Bottle
PX1590-2	1kg	Poly Bottle
PX1590-5	2.5kg	Poly Bottle
PX1590-20	50kg	Fiber Drum w/bag

Potassium Sulfate, Crystals, GR ACS

Meets Reagent Specifications for testing USP/NF monographs		
PX1595-1	500g	Poly Bottle
PX1595-5	2.5kg	Poly Bottle
PX1595-6	5kg	Poly Bottle
PX1595-20	50kg	Fiber Box w/bag

Potassium Sulfate, Powder, GR ACS

PX1600-1	500g	Poly Bottle
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Potassium Thiocyanate, GR ACS

Meets Reagent Specifications for testing USP/NF monographs		
PX1630-1	500g	Poly Bottle
PX1630-20	50kg	Fiber Drum w/bag

1,2-Propanediol, GR ACS

PX1692-1	500mL	Glass Bottle
PX1692-3	4L	Glass Bottle

n-Propyl Alcohol, GR ACS

PX1814-1	500mL	Glass Bottle
PX1814-3	4L	Glass Bottle
PX1814-5	20L	Metal Can
PX1814-20	200L	Metal Drum

Pyridine, GR ACS

Meets Reagent Specifications for testing USP/NF monographs		
PX2020-11	100mL	Glass Bottle
PX2020-6	500mL	Glass Bottle
PX2020-3	2.5L	Glass Bottle
PX2020-5	4L	Glass Bottle
PX2020-20	200L	Metal Drum

Pyrogallol, GR ACS

Meets Reagent Specifications for testing USP/NF monographs		
PX2075-2	250g	Glass Bottle
PX2075-1	500g	Glass Bottle

Salicylic Acid, GR ACS

SX0060-1	500g	Glass Bottle
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Silver Sulfate, GR ACS

SX0210-2	25g	Poly Bottle
SX0210-4	100g	Poly Bottle
SX0210-6	500g	Poly Bottle

Every laboratory needs to make accurate and reproducible pH measurements. A minor unexpected change in pH can interfere with an analytical assay, a critical step in a testing process, or even the function or efficacy of an end product. It is important to use a pH system that you trust absolutely. colorpHast® strips from EMD Chemicals can be trusted in any application or environment. They are manufactured under ISO 9001 quality standards to provide you with the consistency, accuracy and reliability that you need in your important scientific work. Visit www.colorphast.com for additional product information.

Kit	colorpHast® Type	pH Range	Sensitivity pH Units
	Universal		
9590-3 (6-pack)	Four squares with different indicators on each strip	0 – 14.0	0.5
	Intermediate Range		
9578-3 (6-pack)	Three squares with different indicators on each strip	2.0 – 9.0	0.5
9586-3 (6-pack)		0.0 – 6.0	0.3 – 0.5
9588-3 (6-pack)		5.0 – 10.0	0.3 – 0.5
9587-3 (6-pack)		7.5 – 14.0	0.3 – 0.5
	Narrow Range		
9580-3 (6-pack)	One rectangle with a single indicator on each strip	0 – 2.5	0.2 – 0.3
9581-3 (6-pack)		2.5 – 4.5	0.2 – 0.3
9582-3 (6-pack)		4.0 – 7.0	0.2 – 0.3
9583-3 (6-pack)		6.5 – 10.0	0.2 – 0.3
9585-3 (6-pack)		11.0 – 13.0	0.2 – 0.3
ColorpHast® Store		Includes One Pack:	Includes Two Packs:
700181-2	13 packs of 100 pH strips each, covering pH ranges listed	0 – 2.5	0 – 6.0
		2.5 – 4.5	5.0 – 10.0
		4.0 – 7.0	7.5 – 14.0
		6.5 – 10.0	0 – 14.0
		11.0 – 13.0	

Sodium Acetate, Anhydrous, GR ACS

Meets Reagent Specifications for testing USP/NF monographs		
SX0265-1	500g	Poly Bottle
SX0265-3	2.5kg	Poly Bottle
SX0265-5	12kg	Poly Pail
SX0265-20	45kg	Fiber Drum w/bag

Sodium Acetate, Trihydrate, GR, ACS

SX0255-1	500g	Poly Bottle
SX0255-3	2.5kg	Poly Bottle
SX0255-5	12kg	Poly Pail
SX0255-20	50kg	Fiber Box w/bag

Sodium Acetate, Trihydrate HPLC

SX0256-5	500g	Poly Bottle
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Sodium Bicarbonate, GR ACS

Meets Reagent Specifications for testing USP/NF monographs		
SX0320-1	500g	Poly Bottle
SX0320-3	2.5kg	Poly Bottle
SX0320-5	12kg	Poly Pail
SX0320-30	45kg	Fiber Drum w/bag

Sodium Bicarbonate, HPLC

SX0322-5	500g	Poly Bottle
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Sodium Borate, Decahydrate, GR ACS

Meets Reagent Specifications for testing USP/NF monographs		
SX0355-1	500g	Poly Bottle
SX0355-5	12kg	Poly Pail
SX0355-20	50kg	Fiber Drum w/bag

Sodium Bromide, GR ACS

SX0390-1	500g	Poly Bottle
SX0390-30	50kg	Fiber Drum w/bag

Sodium Carbonate, Anhydrous, Granular, GR ACS

SX0400-1	500g	Poly Bottle
SX0400-3	2.5kg	Poly Bottle
SX0400-5	12kg	Poly Pail
SX0400-30	50kg	Fiber Drum w/bag

Sodium Carbonate, Anhydrous, Powder, GR ACS

Meets Reagent Specifications for testing USP/NF monographs		
SX0395-1	500g	Poly Bottle
SX0395-3	2.5kg	Poly Bottle
SX0395-5	12kg	Poly Pail
SX0395-20	50kg	Fiber Drum w/bag

Sodium Chloride, GR ACS

Meets Reagent Specifications for testing USP/NF monographs		
SX0420-1	500g	Poly Bottle
SX0420-13	500g	Glass Bottle
SX0420-3	2.5kg	Poly Bottle
SX0420-5	12kg	Poly Pail
SX0420-22	50kg	Fiber Drum w/bag
SX0420-20	159kg	Fiber Drum w/bag

Sodium Citrate, Dihydrate, Crystals, GR ACS

SX0445-1	500g	Poly Bottle
SX0445-3	2.5kg	Poly Bottle
SX0445-5	12kg	Poly Pail
SX0445-20	50kg	Fiber Drum w/bag

Sodium Fluoride, GR ACS

Meets Reagent Specifications for testing USP/NF monographs		
SX0550-1	500g	Poly Bottle
SX0550-5	2.5kg	Poly Bottle
SX0550-20	50kg	Fiber Drum w/bag

Sodium Hydroxide, Pellets, GR ACS

Meets Reagent Specifications for testing USP/NF monographs		
SX0590-1	500g	Poly Bottle
SX0590-3	2.5kg	Poly Bottle
SX0590-7	12kg	Poly Pail
SX0590-30	35kg	Poly Pail
SX0590-20	50kg	Fiber Box w/bag

Sodium Hydroxide, Pellets Low in Carbonate, GR ACS

SX0593-1	500g	Poly Bottle
SX0593-3	2.5kg	Poly Bottle
SX0593-20	50kg	Fiber Drum w/bag

Sodium Iodide, GR ACS

SX0625-1	500g	Poly Bottle
SX0625-20	50kg	Poly Pail

Sodium meta-Periodate, GR ACS

Meets Reagent Specifications for testing USP/NF monographs		
SX0695-5	125g	Glass Bottle
SX0695-1	500g	Glass Bottle

Sodium Molybdate, Dihydrate, GR ACS

Meets Reagent Specifications for testing USP/NF monographs		
SX0650-2	250g	Poly Bottle
SX0650-4	1kg	Poly Bottle
SX0650-7	12kg	Poly Pail
SX0650-20	50kg	Fiber Drum w/bag

Sodium Nitrate, GR ACS

Meets Reagent Specifications for testing USP/NF monographs		
SX0655-1	500g	Poly Bottle
SX0655-3	2.5kg	Poly Bottle
SX0655-20	50kg	Fiber Drum w/bag

Sodium Nitrite, GR ACS

Meets Reagent Specifications for testing USP/NF monographs		
SX0665-1	500g	Poly Bottle
SX0665-7	12kg	Poly Pail
SX0665-20	50kg	Fiber Drum w/bag

Sodium Nitroferricyanide, Dihydrate, GR ACS

Meets Reagent Specifications for testing USP/NF monographs		
SX0675-2	100g	Poly Bottle
SX0675-1	500g	Poly Bottle

Sodium Oxalate, GR ACS

Meets Reagent Specifications for testing USP/NF monographs		
SX0685-2	250g	Poly Bottle
SX0685-1	500g	Poly Bottle
SX0685-4	1kg	Poly Bottle
SX0685-5	2.5kg	Poly Bottle
SX0685-7	12kg	Poly Pail
SX0685-20	50kg	Fiber Drum w/bag

Sodium Perchlorate Monohydrate, GR ACS

SX0694-1	500g	Poly Bottle
SX0694-5	2.5kg	Poly Bottle
SX0694-7	12kg	Poly Pail
SX0694-20	50kg	Fiber Drum w/bag

Sodium Perchlorate, Anhydrous, GR ACS

Meets Reagent Specifications for testing USP/NF monographs		
SX0692-3	500g	Poly Bottle
SX0692-1	1kg	Poly Bottle

Sodium Peroxide, Granular, GR ACS

Meets Reagent Specifications for testing USP/NF monographs		
SX0700-5	250g	Metal Can
SX0700-6	1kg	Poly Bottle

Sodium Phosphate, Dibasic, Anhydrous, GR ACS

Meets Reagent Specifications for testing USP/NF monographs		
SX0720-1	500g	Poly Bottle
SX0720-5	2.5kg	Poly Bottle
SX0720-7	12kg	Poly Pail
SX0720-20	50kg	Fiber Drum w/bag

Sodium Phosphate, Dibasic, Heptahydrate, GR ACS

Meets Reagent Specifications for testing USP/NF monographs		
SX0715-1	500g	Poly Bottle
SX0715-3	2.5kg	Poly Bottle
SX0715-7	12kg	Poly Pail
SX0715-20	50kg	Fiber Drum w/bag

Sodium Phosphate, Dibasic, Heptahydrate, HPLC

SX0723-5	500g	Poly Bottle
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Sodium Phosphate, Monobasic, Monohydrate, GR ACS

Meets Reagent Specifications for testing USP/NF monographs		
SX0710-1	500g	Poly Bottle
SX0710-3	2.5kg	Poly Bottle
SX0710-5	12kg	Poly Pail
SX0710-20	50kg	Fiber Drum w/bag

Sodium Phosphate, Monobasic, Monohydrate, HPLC

SX0709-5	500g	Poly Bottle
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Sodium Phosphate, Tribasic, Dodecahydrate, GR ACS

Meets Reagent Specifications for testing USP/NF monographs		
SX0725-1	500g	Poly Bottle
SX0725-3	2.5kg	Glass Bottle
SX0725-7	12kg	Poly Pail
SX0725-20	50kg	Fiber Drum w/bag

Sodium Pyrophosphate, Decahydrate, GR ACS

Meets Reagent Specifications for testing USP/NF monographs		
SX0740-1	500g	Poly Bottle
SX0740-5	12kg	Poly Pail
SX0740-20	50kg	Fiber Drum w/bag

Sodium Sulfate, Anhydrous, Granular, GR ACS

Meets Reagent Specifications for testing USP/NF monographs		
SX0760-1	500g	Glass Bottle
SX0760-3	2.5kg	Glass Bottle
SX0760-5	12kg	Poly Pail
SX0760-20	45kg	Fiber Drum w/bag

Sodium Sulfate, Anhydrous, Granular 10-60 Mesh, TRACEPUR®

SX0760E-1	500g	Glass Bottle
SX0760E-3	2.5kg	Glass Bottle
SX0760E-5	12kg	Poly Pail
SX0760E-20	45kg	Fiber Drum w/bag
SX0760F-20	45kg	

Sodium Sulfate, Anhydrous, Powder, GR ACS

Meets Reagent Specifications for testing USP/NF monographs		
SX0761-1	500g	Poly Bottle
SX0761-3	2.5kg	Poly Bottle
SX0761-5	12kg	Poly Pail
SX0761-20	45kg	Fiber Drum w/bag

Sodium Sulfide, Nonahydrate, GR ACS

Meets Reagent Specifications for testing USP/NF monographs		
SX0770-1	500g	Glass Bottle

Sodium Sulfite, Anhydrous, GR ACS

Meets Reagent Specifications for testing USP/NF monographs		
SX0785-1	500g	Poly Bottle
SX0785-3	2.5kg	Poly Bottle
SX0785-5	12kg	Poly Pail
SX0785-20	45kg	Fiber Drum w/bag

Sodium Tartrate, Dihydrate, GR ACS

Meets Reagent Specifications for testing USP/NF monographs		
SX0795-1	500g	Poly Bottle

Sodium Tetraphenyl Boron, GR ACS

SX0805-3	25g	Poly Bottle
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Sodium Thiosulfate, Pentahydrate, GR ACS

Meets Reagent Specifications for testing USP/NF monographs		
SX0815-1	500g	Poly Bottle
SX0815-3	2.5kg	Poly Bottle
SX0815-5	12kg	Poly Pail
SX0815-20	50kg	Fiber Drum w/bag

Stannous Chloride, Dihydrate, GR ACS

Meets Reagent Specifications for testing USP/NF monographs		
SX0885-1	500g	Poly Bottle
SX0885-5	2.5kg	Poly Bottle
SX0885-7	12kg	Poly Pail
SX0885-20	25kg	Poly Pail

Starch, Soluble, GR ACS

Meets Reagent Specifications for testing USP/NF monographs		
SX0930-1	500g	Poly Bottle

Strontium Chloride, Hexahydrate, GR ACS

SX1015-1	500g	Poly Bottle
SX1015-7	12kg	Poly Pail
SX1015-20	25kg	Fiber Drum w/bag

Succinic Acid, GR ACS

Meets Reagent Specifications for testing USP/NF monographs		
SX1040-3	500g	Poly Bottle

Sucrose, GR ACS

SX1075-1	500g	Poly Bottle
SX1075-3	2.5kg	Poly Bottle
SX1075-7	12kg	Poly Pail
SX1075-20	45kg	Fiber Drum w/bag

Sulfamic Acid, GR ACS

SX1140-3	500g	Poly Bottle
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5-Sulfosalicylic Acid, Dihydrate, GR ACS

Meets Reagent Specifications for testing USP/NF monographs		
SX1220-1	500g	Poly Bottle

Sulfuric Acid, GR ACS

Meets Reagent Specifications for testing USP/NF monographs		
SX1244-6	500mL	Glass Bottle
SX1244PC-5	500mL	Poly Coated Glass Bottle
SX1244-7	2.5L	Poly Coated Glass Bottle
SX1244-5	2.5L	Glass Bottle
SX1244-75	2.5L	Poly Coated Glass Bottle
SX1244-8	45.4kg	Poly Carboy
SX1244-23	340kg	Poly Drum

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warranty against mechanical defects.



L-(+)-Tartaric Acid, GR ACS

Meets Reagent Specifications for testing USP/NF monographs		
TX0010-1	500g	Poly Bottle
TX0010-20	50kg	Fiber Box w/bag

tert-Butyl Alcohol, GR ACS

BX1805-2	1L	Poly Bottle
BX1805-1	1L	Metal Can
BX1805-4	4L	Metal Can
BX1805-5	20L	Metal Can
TX0280-6	500mL	Glass Bottle
TX0280-8	1L	Glass Bottle
TX0280-7	4L	Glass Bottle
TX0280P-1	4L	Poly Coated Glass Bottle
TX0280-10	18.5L	Metal Can
TX0280-20	200L	Metal Drum

Toluene, GR ACS

Meets Reagent Specifications for testing USP/NF monographs		
TX0735-6	500mL	Glass Bottle
TX0735-13	500mL	Glass Bottle
TX0735-5	4L	Glass Bottle
TX0735-14	4L	Glass Bottle
TX0735P-4	4L	Poly Coated Glass Bottle
TX0735T-4	4L	Metal Can
TX0735-3	20L	Metal Can
TX0735-20	200L	Metal Drum

Trichloroacetic Acid, GR ACS

Meets Reagent Specifications for testing USP/NF monographs		
TX1045-3	125g	Glass Bottle
TX1045-1	500g	Glass Bottle
TX1045-5	2.5kg	Glass Bottle
TX1045-20	50kg	Fiber Drum w/bag

2,2,4-Trimethylpentane, GR ACS

Meets Reagent Specifications for testing USP/NF monographs		
TX1390-5	4L	Glass Bottle
TX1390-30	200L	Metal Drum

Tris(hydroxymethyl)aminomethane, GR ACS

Meets Reagent Specifications for testing USP/NF monographs		
TX1529-1	500g	Poly Bottle
TX1529-5	2.5kg	Poly Bottle
TX1529-20	50kg	Fiber Drum w/bag

Urea, GR ACS

Meets Reagent Specifications for testing USP/NF monographs		
UX0065-1	500g	Poly Bottle
UX0065-5	2.5kg	Poly Bottle
UX0065-7	12kg	Poly Pail
UX0065-20	45kg	Fiber Drum w/bag

Xylenes, GR ACS

Meets Reagent Specifications for testing USP/NF monographs		
XX0055-11	100mL	Glass Bottle
XX0055-13	500mL	Glass Bottle
XX0055-6	500mL	Glass Bottle
XX0055-14	4L	Glass Bottle
XX0055-5	4L	Glass Bottle
XX0055P-4	4L	Poly Coated Glass Bottle
XX0055-3	20L	Metal Can
XX0055-20	200L	Metal Drum

Zinc Chloride, GR ACS

ZX0065-1	500g	Poly Bottle
ZX0065-5	2.5kg	Poly Bottle
ZX0065-20	25kg	Metal Can

Zinc Sulfate, Heptahydrate, GR ACS

ZX0105-1	500g	Poly Bottle
ZX0105-20	50kg	Fiber Drum w/bag

Zinc, 20 Mesh, GR ACS

Meets Reagent Specifications for testing USP/NF monographs		
ZX0010-1	500g	Poly Bottle
ZX0010-7	12kg	Poly Pail

Specs									
Volume (mL)	0.4-2	1-5	2-10	6-30	10-50	20-100	40-200	60-300	100-500
Graduation (mL)	0.1	0.1	0.2	0.5	1.0	2.0	5.0	5.0	5.0
Accuracy (%)	0.7	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Precision (%)	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Pumps (Item No.)									
Basic Dispenser	10108027-1	10108033-1	10108038-1	10108044-1	10108048-1	10108051-1	108053-1	108056-1	10108058-1
Solvent Dispenser	10108127-1	10108133-1	10108138-1	10108144-1	10108148-1	10108151-1	10108053-1	108056G-1	10108158-1

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