



At times, Wet Chemistry involves some difficult and unusual techniques. If you find yourself in a bind, give us a call. One of our experts will be happy to assist you. Plus, we offer analytical advice and in-depth technical guides on our website, [inorganicventures.com](http://inorganicventures.com).

- ✓ Up to four-year shelf life
- ✓ Traceable to NIST SRMs
- ✓ Produced under ISO 9001
- ✓ Produced under ISO 17025
- ✓ Produced under ISO 17034
- ✓ Assayed by optimal validated procedures

## Shared Knowledge —

The most rewarding part of how we flex to your specs.

Each pH standard is manufactured to be compatible with your instrumentation and meets all requirements for calibration by a true Certified Reference Material. Each standard is traceable to a NIST SRM and engineered for homogeneity and long-term/short-term stability testing. Manufactured under our ISO 17025 and ISO 17034 accreditations and ISO 9001 registered, each pH standard comes with a CoA with a temperature chart for your convenience. Detailed error budgets provide accurate and consistent certified values and uncertainties. Each product is packaged in our TCT technology, where each lot has up to a three- to four-year shelf life and a one-year\* expiration date from opening. Also provided is a GHS-compliant SDS and GHS label and temperature chart on the product and TCT foil bag.

*\*For most products.*

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Custom conductivity standards are available upon request. | Conductivity Standards

### 2 $\mu\text{mhos/cm}$ Conductivity at 25°C

Matrix: H <sub>2</sub> O	
CON2-25-125ML	Volume: 125 mL
CON2-25-500ML	Volume: 500 mL

### 5 $\mu\text{mhos/cm}$ Conductivity at 25°C

Matrix: H <sub>2</sub> O	
CON5-25-125ML	Volume: 125 mL
CON5-25-500ML	Volume: 500 mL

### 10 $\mu\text{mhos/cm}$ Conductivity at 25°C

Matrix: H <sub>2</sub> O	
CON10-25-125ML	Volume: 125 mL
CON10-25-500ML	Volume: 500 mL

### 84 $\mu\text{mhos/cm}$ Conductivity at 25°C

Matrix: H <sub>2</sub> O	
CON84-25-125ML	Volume: 125 mL
CON84-25-500ML	Volume: 500 mL
CON84-25-1L	Volume: 1 L

### 100 $\mu\text{mhos/cm}$ Conductivity at 25°C

Matrix: H <sub>2</sub> O	
CON100-25-125ML	Volume: 125 mL
CON100-25-500ML	Volume: 500 mL
CON100-25-1L	Volume: 1 L

### 147 $\mu\text{mhos/cm}$ Conductivity at 25°C

Matrix: H <sub>2</sub> O	
CON147-25-125ML	Volume: 125 mL
CON147-25-500ML	Volume: 500 mL
CON147-25-1L	Volume: 1 L

### 500 $\mu\text{mhos/cm}$ Conductivity at 25°C

Matrix: H <sub>2</sub> O	
CON500-25-125ML	Volume: 125 mL
CON500-25-500ML	Volume: 500 mL
CON500-25-1L	Volume: 1 L

### 1,000 $\mu\text{mhos/cm}$ Conductivity at 25°C

Matrix: H <sub>2</sub> O	
CON1000-25-125ML	Volume: 125 mL
CON1000-25-500ML	Volume: 500 mL
CON1000-25-1L	Volume: 1 L

### 1,200 $\mu\text{mhos/cm}$ Conductivity at 25°C

Matrix: H <sub>2</sub> O	
CON1200-25-125ML	Volume: 125 mL
CON1200-25-500ML	Volume: 500 mL
CON1200-25-1L	Volume: 1 L

### 1,400 $\mu\text{mhos/cm}$ Conductivity at 25°C

Matrix: H <sub>2</sub> O	
CON1400-25-125ML	Volume: 125 mL
CON1400-25-500ML	Volume: 500 mL
CON1400-25-1L	Volume: 1 L

### 1,413 $\mu\text{mhos/cm}$ Conductivity at 25°C

Matrix: H <sub>2</sub> O	
CON1413-25-125ML	Volume: 125 mL
CON1413-25-500ML	Volume: 500 mL
CON1413-25-1L	Volume: 1 L

### 1,430 $\mu\text{mhos/cm}$ Conductivity at 25°C

Matrix: H <sub>2</sub> O	
CON1430-25-125ML	Volume: 125 mL
CON1430-25-500ML	Volume: 500 mL
CON1430-25-1L	Volume: 1 L

### 10,000 $\mu\text{mhos/cm}$ Conductivity at 25°C

Matrix: H <sub>2</sub> O	
CON10000-25-125ML	Volume: 125 mL
CON10000-25-500ML	Volume: 500 mL
CON10000-25-1L	Volume: 1 L

### 100,000 $\mu\text{mhos/cm}$ Conductivity at 25°C

Matrix: H <sub>2</sub> O	
CON100000-25-125ML	Volume: 125 mL
CON100000-25-500ML	Volume: 500 mL
CON100000-25-1L	Volume: 1 L

Custom pH standards are available upon request.

pH 1.68	
Potassium tetroxalate	
PH-1.68-250ML	Volume: 250 mL
PH-1.68-500ML	Volume: 500 mL
PH-1.68-1L	Volume: 1 L
PH-1.68-4L	Volume: 4 L
PH-1.68-10L	Volume: 10 L

pH 2	
Potassium chloride and hydrochloric acid	
PH-2-250ML	Volume: 250 mL
PH-2-500ML	Volume: 500 mL
PH-2-1L	Volume: 1 L
PH-2-4L	Volume: 4 L
PH-2-10L	Volume: 10 L

pH 3	
Potassium acid phthalate and hydrochloric acid	
PH-3-250ML	Volume: 250 mL
PH-3-500ML	Volume: 500 mL
PH-3-1L	Volume: 1 L
PH-3-4L	Volume: 4 L
PH-3-10L	Volume: 10 L

pH 4	
Potassium acid phthalate	
PH-4-250ML	Volume: 250 mL
PH-4-500ML	Volume: 500 mL
PH-4-1L	Volume: 1 L
PH-4-4L	Volume: 4 L
PH-4-10L	Volume: 10 L

pH 4 RED	
Potassium acid phthalate	
PHRED-4-250ML	Volume: 250 mL
PHRED-4-500ML	Volume: 500 mL
PHRED-4-1L	Volume: 1 L
PHRED-4-4L	Volume: 4 L
PHRED-4-10L	Volume: 10 L

pH 5	
Potassium acid phthalate and sodium hydroxide	
PH-5-250ML	Volume: 250 mL
PH-5-500ML	Volume: 500 mL
PH-5-1L	Volume: 1 L
PH-5-4L	Volume: 4 L
PH-5-10L	Volume: 10 L

pH 6	
Monobasic potassium phosphate and sodium hydroxide	
PH-6-250ML	Volume: 250 mL
PH-6-500ML	Volume: 500 mL
PH-6-1L	Volume: 1 L
PH-6-4L	Volume: 4 L
PH-6-10L	Volume: 10 L

pH 6.86	
Potassium phosphate and dibasic sodium phosphate	
PH-6.86-250ML	Volume: 250 mL
PH-6.86-500ML	Volume: 500 mL
PH-6.86-1L	Volume: 1 L
PH-6.86-4L	Volume: 4 L
PH-6.86-10L	Volume: 10 L

pH 7	
Monobasic potassium phosphate and sodium hydroxide	
PH-7-250ML	Volume: 250 mL
PH-7-500ML	Volume: 500 mL
PH-7-1L	Volume: 1 L
PH-7-4L	Volume: 4 L
PH-7-10L	Volume: 10 L

pH 7 YELLOW	
Monobasic potassium phosphate and sodium hydroxide	
PHYELLOW-7-250ML	Volume: 250 mL
PHYELLOW-7-500ML	Volume: 500 mL
PHYELLOW-7-1L	Volume: 1 L
PHYELLOW-7-4L	Volume: 4 L
PHYELLOW-7-10L	Volume: 10 L

## pH Standards

## pH 8

pH 8	
Monobasic potassium phosphate and sodium hydroxide	
<b>PH-8-250ML</b>	Volume: 250 mL
<b>PH-8-500ML</b>	Volume: 500 mL
<b>PH-8-1L</b>	Volume: 1 L
<b>PH-8-4L</b>	Volume: 4 L
<b>PH-8-10L</b>	Volume: 10 L

## pH 9

pH 9	
Boric acid, potassium chloride and sodium hydroxide	
<b>PH-9-250ML</b>	Volume: 250 mL
<b>PH-9-500ML</b>	Volume: 500 mL
<b>PH-9-1L</b>	Volume: 1 L
<b>PH-9-4L</b>	Volume: 4 L
<b>PH-9-10L</b>	Volume: 10 L

## pH 9.18

pH 9.18	
Sodium borate decahydrate	
<b>PH-9.18-250ML</b>	Volume: 250 mL
<b>PH-9.18-500ML</b>	Volume: 500 mL
<b>PH-9.18-1L</b>	Volume: 1 L
<b>PH-9.18-4L</b>	Volume: 4 L
<b>PH-9.18-10L</b>	Volume: 10 L

## pH 10

pH 10	
Sodium bicarbonate and sodium carbonate	
<b>PH-10-250ML</b>	Volume: 250 mL
<b>PH-10-500ML</b>	Volume: 500 mL
<b>PH-10-1L</b>	Volume: 1 L
<b>PH-10-4L</b>	Volume: 4 L
<b>PH-10-10L</b>	Volume: 10 L

## pH 10 BLUE

pH 10 BLUE	
Sodium bicarbonate and sodium carbonate	
<b>PHBLUE-10-250ML</b>	Volume: 250 mL
<b>PHBLUE-10-500ML</b>	Volume: 500 mL
<b>PHBLUE-10-1L</b>	Volume: 1 L
<b>PHBLUE-10-4L</b>	Volume: 4 L
<b>PHBLUE-10-10L</b>	Volume: 10 L

## pH 11

pH 11	
Dibasic sodium phosphate and sodium hydroxide	
<b>PH-11-250ML</b>	Volume: 250 mL
<b>PH-11-500ML</b>	Volume: 500 mL
<b>PH-11-1L</b>	Volume: 1 L
<b>PH-11-4L</b>	Volume: 4 L
<b>PH-11-10L</b>	Volume: 10 L

## pH 12

pH 12	
Potassium chloride and sodium hydroxide	
<b>PH-12-250ML</b>	Volume: 250 mL
<b>PH-12-500ML</b>	Volume: 500 mL
<b>PH-12-1L</b>	Volume: 1 L
<b>PH-12-4L</b>	Volume: 4 L
<b>PH-12-10L</b>	Volume: 10 L

## pH 12.47

pH 12.47	
Sodium hydroxide and potassium chloride	
<b>PH-12.47-250ML</b>	Volume: 250 mL
<b>PH-12.47-500ML</b>	Volume: 500 mL
<b>PH-12.47-1L</b>	Volume: 1 L
<b>PH-12.47-4L</b>	Volume: 4 L
<b>PH-12.47-10L</b>	Volume: 10 L

## Cyanide Standards

Custom cyanide standards are available upon request.

## 1,000 ug/mL Total Cyanide

1,000 ug/mL Total Cyanide	
<b>CN-1000-25-20ML</b>	Volume: 20 mL Matrix: H <sub>2</sub> O
<b>Analyte</b>	<b>µg/mL</b>
<b>CN<sup>-</sup></b>	1,000

## Dissolution Reagents

Dissolution Reagents are designed for the preparation and measurement of samples containing silica mixed with fluoride insoluble elements, including zeolites, alumina and/or silica based catalysts, sand, limestone, coal fly ash and talc. The dissolution of these types of materials requires HF. See the article titled *Elemental Analysis of Zeolites* on our website for more information.

Acid Dissolution Reagent	
<b>UA-1-500ML</b>	Volume: 500 mL
Recommended for the dissolution of aluminosilicates, such as zeolites.	

Acid Dissolution Reagent <sup>†</sup>	
<b>UA-2-500ML</b>	Volume: 500 mL
Designed to dissolve coal fly ash and aluminosilicates.	

Acid Dissolution Reagent*	
<b>UA-3-500ML</b>	Volume: 500 mL
Similar to UA-2, except UA-3 can handle higher levels of iron.	

Acid Dissolution Reagent	
<b>UA-4-500ML</b>	Volume: 500 mL
Designed for the dissolution of aluminosilicates, such as zeolites, containing moderate to high levels of fluoride-insoluble elements.	

Acid Dissolution Reagent	
<b>UA-5-500ML</b>	Volume: 500 mL
Designed to handle samples high in calcium, such as limestone.	

Acid Dissolution Reagent	
<b>UA-6-500ML</b>	Volume: 500 mL
Designed for samples high in magnesium, such as dolomite.	

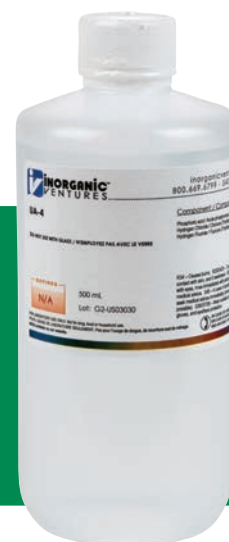
Acid Dissolution Reagent	
<b>UA-7-500ML</b>	Volume: 500 mL
Designed for the determination of trace elements in samples containing predominately silica, such as silica gel.	

<sup>†</sup>Boron cannot be determined.

\*Boron and Phosphorus cannot be determined.

## Don't see exactly what you are looking for?

Give us a call. Custom reference materials are our specialty.



Neutralizers & Stabilizers

These products are applicable to the determination of aluminosilicates containing various elements. For details, refer to the description for Dissolution Reagents on the preceding page.

Stabilizing Reagent	
<b>UNS-1-500ML</b>	Volume: 500 mL
<b>UNS-1-2.5L</b>	Volume: 2.5 L
Designed for use with UA-1.	

Stabilizing Reagent	
<b>UNS-2-SET</b>	Volume: 2.5 L
Two reagent set consisting of equal amounts of UNS-2A and UNS-2B. Recommended for use with UA-2, UA-3, UA-4, or UA-5.	

Stabilizing Reagent	
<b>UNS-2A-2.5L</b>	Volume: 2.5 L
Stabilizing Agent	

Stabilizing Reagent	
<b>UNS-2B-2.5L</b>	Volume: 2.5 L
Stabilizing Agent	

Stabilizing Reagent	
<b>UNS-3-2.5L</b>	Volume: 2.5 L
Designed for use with UA-7.	

Stabilizing Reagent	
<b>UNS-4-2.5L</b>	Volume: 2.5 L
Prevents salting-out effects from borate fusions and/or boric acid treated HF preparations. Also recommended for use with UA-6.	

Stabilizing Reagent	
<b>UNS-100-500ML</b>	Volume: 500 mL
<b>UNS-100-2.5L</b>	Volume: 2.5 L
For use with all acids and applications. Improved capacity. Contact us for more information.	

Stabilizing Reagent	
<b>UNS-300-2.5L</b>	Volume: 2.5 L
For use with all acids and applications. Improved capacity. Contact us for more information.	

Fusion Fluxes

Lithium Carbonate	
<b>FF-LI2CO3-500G</b>	Volume: 500 g
<b>FF-LI2CO3-2.5KG</b>	Volume: 2.5 Kg
See section 13 of the Reliable Measurements Guide found on our website for a sample preparation method designed to work perfectly with this product.	

# CERTIFIED TITRANTS AND REAGENTS

## Certified Titrants

These Certified Titrants for Standardized Acid and Base are ISO 17034 and ISO 17025 as well as traceable to NIST. Basic stock sizes and customs are available.

0.05M EDTA	
<b>0.05M-EDTA-500ML</b>	Matrix: H <sub>2</sub> O Volume: 500 mL
0.05M EDTA, 500mL	

0.5M EDTA	
<b>0.5M-EDTA-500ML</b>	Matrix: H <sub>2</sub> O Volume: 500 mL
0.5M EDTA, 500mL	

0.1M Hydrochloric Acid	
<b>0.1M-HCL-500ML</b>	Matrix: H <sub>2</sub> O Volume: 500 mL
0.1M Hydrochloric Acid, 500mL	

1.0M Hydrochloric Acid	
<b>1.0M-HCL-500ML</b>	Matrix: H <sub>2</sub> O Volume: 500 mL
1.0M Hydrochloric Acid, 500mL	

0.1M Nitric Acid	
<b>0.1M-HNO3-500ML</b>	Matrix: H <sub>2</sub> O Volume: 500 mL
0.1M Nitric Acid, 500mL	

1.0M Nitric Acid	
<b>1.0M-HNO3-500ML</b>	Matrix: H <sub>2</sub> O Volume: 500 mL
1.0M Nitric Acid, 500mL	

0.1M Perchloric Acid	
<b>0.1M-HCLO4-500ML</b>	Matrix: H <sub>2</sub> O/0.1M HClO <sub>4</sub> in Glacial Acetic Acid Volume: 500 mL
0.1M Perchloric Acid, 500mL	

0.1N Silver Nitrate	
<b>0.1N-AGNO3-500ML</b>	Matrix: H <sub>2</sub> O Volume: 500 mL
0.1N Silver Nitrate, 500mL	

0.1M Sodium Hydroxide	
<b>0.1M-NAOH-500ML</b>	Matrix: H <sub>2</sub> O Volume: 500 mL
0.1M Sodium Hydroxide, 500mL	

0.1N Sodium Thiosulfate	
<b>0.1N-NA2S2O3-500ML</b>	Matrix: H <sub>2</sub> O Volume: 500 mL
0.1N Sodium Thiosulfate 500 mL. Prepared and standardized according to USP specifications.	

0.1M Sodium Hydroxide	
<b>0.1M-NAOH-500ML</b>	Matrix: H <sub>2</sub> O Volume: 500 mL
0.1M Sodium Hydroxide, 500mL	

1M Sodium Hydroxide	
<b>1M-NOAH-500ML</b>	Matrix: H <sub>2</sub> O Volume: 500 mL
1M Sodium Hydroxide, 500mL	

### Blank & Rinse Solutions

Blank & Rinse solutions are prepared using double-distilled reagents and 18 megohm (MΩ) deionized water. They come packaged in ultra-clean LDPE bottles and are ready to use. Custom solutions are available upon request.

2% (v/v) Nitric Acid Rinse	
<b>CLP-MS-RINSE</b> <b>Ultra Pure</b>	Matrix: HNO <sub>3</sub> Dilution: Ready to Use
<b>CLP-MS-RINSE-125ML</b> <b>CLP-MS-RINSE-500ML</b>	Volume: 125 mL Volume: 500 mL

Deionized Blank	
<b>IV-DI-BLANK</b>	Matrix: H <sub>2</sub> O
<b>IV-DI-BLANK-500ML</b> <b>IV-DI-BLANK-1L</b>	Volume: 500 mL Volume: 1 L

For use with ICP-MS. Designed for ILM05.2 and ILM05.3.

5% (v/v) Nitric Acid Blank	
<b>IV-ACID-BLANK</b> <b>Ultra Pure</b>	Matrix: HNO <sub>3</sub>
<b>IV-ACID-BLANK-500ML</b> <b>IV-ACID-BLANK-1L</b>	Volume: 500 mL Volume: 1 L