Single-Element Pure Plus 30 mL ICP-MS Standards

A selection of our ICP-MS single-element standards available in a 30 mL volume. This product delivers the same great quality you have come to expect, but in a smaller volume – reducing waste and mitigating worries about expiration dates. As with all of our ICP-MS standards, the 30 mL standards include a comprehensive Certificate of Analysis. The NIST traceable certified value of the main analyte is clearly stated, along with actual measured values, down to parts per trillion (ppt), of up to 68 trace impurities. In order to ensure the best quality product possible, standards are made with the finest, purest raw materials available. Our ICP-MS single-element standards are made using ultra high purity acids, 99.9999+% pure starting materials and ASTM Type I Water.

Element	Symbol	Concentration	Matrix	Part No.
Aluminum	Al	1,000 µg/mL	2% HNO_3	**N8151039**
Antimony	Sb	1,000 µg/mL	H2O/0.6% Tartaric Acid/Tr. HNO_3	**N8151040**
Arsenic	As	1,000 µg/mL	2% HNO_3	**N8151041**
Barium	Ba	1,000 µg/mL	2% HNO_3	**N8151042**
Beryllium	Be	1,000 µg/mL	2% HNO_3	**N8151043**
Bismuth	Bi	10 µg/mL	2% HNO_3	**N8151044**
Cadmium	Cd	1,000 µg/mL	2% HNO_3	**N8151045**
Calcium	Ca	1,000 µg/mL	2% HNO_3	**N8151046**
Chromium	Cr	1,000 µg/mL	2% HNO_3	**N8151047**
Cobalt	Co	1,000 µg/mL	2% HNO_3	**N8151048**
Copper	Cu	1,000 µg/mL	2% HNO_3	**N8151049**
Germanium	Ge	10 µg/mL	H_2O/Tr. F-	**N8151050**
Gold	Au	100 µg/mL	2% HCl	**N8151051**
Indium	In	10 µg/mL	2% HNO_3	**N8151052**
Iron	Fe	1,000 µg/mL	2% HNO_3	**N8151053**
Lead	Pb	1,000 µg/mL	2% HNO_3	**N8151054**
Magnesium	Mg	1,000 µg/mL	2% HNO_3	**N8151055**
Manganese	Mn	1,000 µg/mL	2% HNO_3	**N8151056**
Mercury	Hg	10 µg/mL	5% HNO_3	**N8151057**
Mercury	Hg	1,000 µg/mL	10% HNO_3	**N8151058**
Molybdenum	Mo	1,000 µg/mL	H_2O	**N8151059**
Nickel	Ni	1,000 µg/mL	2% HNO_3	**N8151060**
Potassium	K	1,000 µg/mL	2% HNO_3	**N8151061**
Rhodium	Rh	10 µg/mL	2% HCl	**N8151062**
Scandium	Sc	10 µg/mL	2% HNO_3	**N8151063**
Selenium	Se	1,000 µg/mL	2% HNO_3	**N8151064**
Silver	Ag	1,000 µg/mL	2% HNO_3	**N8151065**
Sodium	Na	1,000 µg/mL	2% HNO_3	**N8151066**
Terbium	Tb	10 µg/mL	2% HNO_3	**N8151067**
Thallium	Tl	1,000 µg/mL	2% HNO_3	**N8151068**
Thorium	Th	1,000 µg/mL	2% HNO_3	**N8151069**
Tin	Sn	1,000 µg/mL	1% HNO_3 /1% HF	**N8151093**
Titanium	Ti	1,000 µg/mL	H_2O/0.24% F-	**N8151094**
Uranium	U	1,000 µg/mL	2% HNO_3	**N8151095**
Vanadium	V	1,000 µg/mL	2% HNO_3	**N8151096**
Yttrium	Y	10 µg/mL	2% HNO_3	**N8151097**
Zinc	Zn	1,000 µg/mL	2% HNO_3	**N8151098**

Matrix Modifiers and AA Test Mixes

We offer standards specifically for your Atomic Absorption (AA) instrument. From mixed standards to reagents, we have what you need for your AA analysis.

Matrix Modifiers for Graphite Furnace AA

Matrix	Content	Volume	Part No.
$Mg(NO_3)_2$	1% Mg $(NO_3)_2$ (as nitrate)	100 mL	**B0190634**
Pd	1% Pd (as nitrate)	50 mL	**B0190635**
$NH_4H_2PO_4$	10% $NH_4H_2PO_4$	100 mL	**N9303445**

GFAAS Mixed Standard

Matrix	Content	Volume	Part No.
5% HNO_3 w/trace HF	100 µg/mL: Al, As, Pb, Sb, Se, Tl 50 µg/mL: Ba, Co, Cu, Ni 20 µg/mL: Cr, Fe, Mn 10 µg/mL: Ag 5 µg/mL: Be, Cd	125 mL	**N9300244**

AA Test Mix

Matrix	Content	Volume	Part No.
2% HCl	50 µg/mL: Ca, Cr, Cu, Fe, Ni 20 µg/mL: K 10 µg/mL: Na, Zn	125 mL	**02900540**

Reagents

Matrix	Volume	Part No.
Triton® X-100 Wetting Agent	100 mL	**N9300260**
Antifoaming Silicone Emulsion	500 mL	**B0507226**
Glycerol	1 L	**B3141064**