

Product Specification

Lead ICP Standard, 1000 ppm Pb in 3% HNO₃

Lot Number: SAMPLE

Product Number: PPB1KN

Manufacture Date: N/A

Expiration Date: N/A

The certified value for this product is confirmed in independent testing by a second qualified chemist.

The final solution concentration is confirmed by AA, ICP, or ICP-MS, and is traceable to NIST Standard Reference Material 3128. All trace level elements were determined by ICP or ICP-MS.

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Nitric Acid	7697-37-2	Trace Metals
Lead	7439-92-1	High Purity

Test	Specification	Result	NIST SRM#
Appearance	Colorless liquid	N/A	
Assay (vs. EDTA/Xylenol Orange)	995-1005 ppm Pb	N/A	915

Trace Elements by ICP or ICP - MS

I=Spectral Interference N=Not Tested

All values reported in mg/L (ppm)

Aluminum (Al)	N/A	Lutetium (Lu)	N/A	Terbium (Tb)	N/A
Antimony (Sb)	N/A	Magnesium (Mg)	N/A	Thallium (Tl)	N/A
Arsenic (As)	N/A	Manganese (Mn)	N/A	Thorium (Th)	N/A
Barium (Ba)	N/A	Mercury (Hg)	N/A	Thulium (Tm)	N/A
Beryllium (Be)	N/A	Molybdenum (Mo)	N/A	Tin (Sn)	N/A
Bismuth (Bi)	N/A	Neodymium (Nd)	N/A	Titanium (Ti)	N/A
Boron (B)	N/A	Nickel (Ni)	N/A	Tungsten (W)	N/A
Cadmium (Cd)	N/A	Niobium (Nb)	N/A	Uranium (U)	N/A
Calcium (Ca)	N/A	Osmium (Os)	N/A	Vanadium (V)	N/A
Cerium (Ce)	N/A	Palladium (Pd)	N/A	Ytterbium (Yb)	N/A
Cesium (Cs)	N/A	Phosphorus (P)	N/A	Yttrium (Y)	N/A
Chromium (Cr)	N/A	Platinum (Pt)	N/A	Zinc (Zn)	N/A
Cobalt (Co)	N/A	Potassium (K)	N/A	Zirconium (Zr)	N/A
Copper (Cu)	N/A	Praseodymium (Pr)	N/A		
Dysprosium (Dy)	N/A	Rhenium (Re)	N/A		
Erbium (Er)	N/A	Rhodium (Rh)	N/A		
Europium (Eu)	N/A	Rubidium (Rb)	N/A		
Gadolinium (Gd)	N/A	Ruthenium (Ru)	N/A		
Gallium (Ga)	N/A	Samarium (Sm)	N/A		
Germanium (Ge)	N/A	Scandium (Sc)	N/A		
Gold (Au)	N/A	Selenium (Se)	N/A		
Hafnium (Hf)	N/A	Silicon (Si)	N/A		
Holmium (Ho)	N/A	Silver (Ag)	N/A		
Indium (In)	N/A	Sodium (Na)	N/A		
Iridium (Ir)	N/A	Strontium (Sr)	N/A		
Iron (Fe)	N/A	Sulfur (S)	N/A		
Lanthanum (La)	N/A	Tantalum (Ta)	N/A		
Lithium (Li)	N/A	Tellurium (Te)	N/A		

Specification	Reference
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Lead ICP, 1000 ppm in HNO₃

EPA (200.7)

This standard is guaranteed to be stable and accurate provided the product is kept tightly capped and stored under normal laboratory conditions. Balances are calibrated using NIST traceable weights whose verification of maintenance and recalibration is documented per in-house Standard Operating Procedures. Class A glassware is also calibrated and routinely rechecked per in-house Standard Operating Procedures. Trace metal analyzed acids and Trace Metals Analyzed Water are used in the manufacture of this product. Triple cleaned containers are used in the manufacture of this product.

Part Number	Size / Package Type	Shelf Life (Unopened Container)
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PPB1KN-100

100 mL natural LDPE

18 months

PPB1KN-500

500 mL natural poly

18 months

Recommended Storage: 15°C - 30°C (59°F - 86°F)

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