

Product Specification

Magnesium ICP Standard, 100 ppm Mg in dilute HNO₃

Lot Number: SAMPLE

Product Number: RPMG01KN

Manufacture Date: N/A

Expiration Date: N/A

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Nitric Acid	7697-37-2	Trace Metals
Magnesium Oxide	1309-48-4	High Purity

Test	Specification	Result	NIST SRM#
Appearance	Colorless liquid	N/A	
Assay (vs. EDTA/Eriochrome Black T)	99-101 ppm Mg	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	Mercury (Hg)	N/A	Tungsten (W)	N/A
Antimony (Sb)	N/A	Molybdenum (Mo)	N/A	Uranium (U)	N/A
Arsenic (As)	N/A	Neodymium (Nd)	N/A	Vanadium (V)	N/A
Barium (Ba)	N/A	Nickel (Ni)	N/A	Ytterbium (Yb)	N/A
Beryllium (Be)	N/A	Niobium (Nb)	N/A	Yttrium (Y)	N/A
Bismuth (Bi)	N/A	Osmium (Os)	N/A	Zinc (Zn)	N/A
Boron (B)	N/A	Palladium (Pd)	N/A	Zirconium (Zr)	N/A
Cadmium (Cd)	N/A	Phosphorus (P)	N/A		
Calcium (Ca)	N/A	Platinum (Pt)	N/A		
Cerium (Ce)	N/A	Potassium (K)	N/A		
Cesium (Cs)	N/A	Praseodymium (Pr)	N/A		
Chromium (Cr)	N/A	Rhenium (Re)	N/A		
Cobalt (Co)	N/A	Rhodium (Rh)	N/A		
Copper (Cu)	N/A	Rubidium (Rb)	N/A		
Dysprosium (Dy)	N/A	Ruthenium (Ru)	N/A		
Erbium (Er)	N/A	Samarium (Sm)	N/A		
Europium (Eu)	N/A	Scandium (Sc)	N/A		
Gadolinium (Gd)	N/A	Selenium (Se)	N/A		
Gallium (Ga)	N/A	Silicon (Si)	N/A		
Germanium (Ge)	N/A	Silver (Ag)	N/A		
Gold (Au)	N/A	Sodium (Na)	N/A		
Hafnium (Hf)	N/A	Strontium (Sr)	N/A		
Holmium (Ho)	N/A	Sulfur (S)	N/A		
Indium (In)	N/A	Tantalum (Ta)	N/A		
Iridium (Ir)	N/A	Tellurium (Te)	N/A		
Iron (Fe)	N/A	Terbium (Tb)	N/A		
Lanthanum (La)	N/A	Thallium (Tl)	N/A		
Lead (Pb)	N/A	Thorium (Th)	N/A		
Lithium (Li)	N/A	Thulium (Tm)	N/A		
Lutetium (Lu)	N/A	Tin (Sn)	N/A		
Manganese (Mn)	N/A	Titanium (Ti)	N/A		

Specification	Reference
Magnesium ICP Standard, 1 mL = 1 mg Mg (1,000 ppm Mg)	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)
RPMG01KN-100N	100 mL natural LDPE	18 months

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

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