

Product Specification

Calcium ICP Standard, 100 ppm Ca in dilute HNO₃

Lot Number: SAMPLE

Product Number: RPCA01KN

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
Calcium Carbonate	471-34-1	High Purity

Test	Specification	Result	NIST SRM#
Appearance	Colorless liquid	N/A	
Calcium (Ca)	99-101 ppm	N/A	3109

I=Spectral Interference N=Not Tested

Trace Elements by ICP or ICP - MS

All values reported in mg/L (ppm)

Aluminum (Al)	N/A	Mercury (Hg)	N/A	Uranium (U)	N/A
Antimony (Sb)	N/A	Molybdenum (Mo)	N/A	Vanadium (V)	N/A
Arsenic (As)	N/A	Neodymium (Nd)	N/A	Ytterbium (Yb)	N/A
Barium (Ba)	N/A	Nickel (Ni)	N/A	Yttrium (Y)	N/A
Beryllium (Be)	N/A	Niobium (Nb)	N/A	Zinc (Zn)	N/A
Bismuth (Bi)	N/A	Osmium (Os)	N/A	Zirconium (Zr)	N/A
Boron (B)	N/A	Palladium (Pd)	N/A		
Cadmium (Cd)	N/A	Phosphorus (P)	N/A		
Cerium (Ce)	N/A	Platinum (Pt)	N/A		
Cesium (Cs)	N/A	Potassium (K)	N/A		
Chromium (Cr)	N/A	Praseodymium (Pr)	N/A		
Cobalt (Co)	N/A	Rhenium (Re)	N/A		
Copper (Cu)	N/A	Rhodium (Rh)	N/A		
Dysprosium (Dy)	N/A	Rubidium (Rb)	N/A		
Erbium (Er)	N/A	Ruthenium (Ru)	N/A		
Europium (Eu)	N/A	Samarium (Sm)	N/A		
Gadolinium (Gd)	N/A	Scandium (Sc)	N/A		
Gallium (Ga)	N/A	Selenium (Se)	N/A		
Germanium (Ge)	N/A	Silicon (Si)	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		
Magnesium (Mg)	N/A	Titanium (Ti)	N/A		
Manganese (Mn)	N/A	Tungsten (W)	N/A		

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)
RPCA01KN-100N	100 mL natural LDPE	18 months

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

This document is designed to comply with ISO Guide 31 "Reference Materials -- Contents of Certificates and Labels."

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