

Product Specification

Potassium ICP Standard, 100 ppm K in dilute HNO₃

Lot Number: SAMPLE

Product Number: RPK01KN0

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
Potassium Nitrate	7757-79-1	High Purity

Test	Specification	Result	NIST SRM#
Appearance	Colorless liquid	N/A	
Potassium (K)	99-101 ppm	N/A	3141

Trace Elements by ICP or ICP - MS

I=Spectral Interference N=Not Tested

All values reported in mg/L (ppm)

Aluminum (Al)	N/A	Manganese (Mn)	N/A	Tungsten (W)	N/A
Antimony (Sb)	N/A	Mercury (Hg)	N/A	Uranium (U)	N/A
Arsenic (As)	N/A	Molybdenum (Mo)	N/A	Vanadium (V)	N/A
Barium (Ba)	N/A	Neodymium (Nd)	N/A	Ytterbium (Yb)	N/A
Beryllium (Be)	N/A	Nickel (Ni)	N/A	Yttrium (Y)	N/A
Bismuth (Bi)	N/A	Niobium (Nb)	N/A	Zinc (Zn)	N/A
Boron (B)	N/A	Osmium (Os)	N/A	Zirconium (Zr)	N/A
Cadmium (Cd)	N/A	Palladium (Pd)	N/A		
Calcium (Ca)	N/A	Phosphorus (P)	N/A		
Cerium (Ce)	N/A	Platinum (Pt)	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		
Magnesium (Mg)	N/A	Titanium (Ti)	N/A		

Specification	Reference
Potassium ICP Standard, 1 mL = 1 mg K (1,000 ppm K) KNO ₃ in 3% HNO ₃	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)
RPK01KN0-100N	100 mL natural LDPE	18 months

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

This test report shall not be reproduced, except in full, without the written approval of Ricca Chemical Company.