

Nitric Acid 70%, VLSI

HNO₃ FW. 63.01
CAS-No. 7697-37-2
Code VL1137

Density 1 L = 1.41 Kg.
Melting Point - 41 °C
Boiling Point 119.9 °C

Specifications

Assay (by acidimetry)	69.0 – 70.0%
Appearance	Passes test
Color (APHA)	7 max.
Residue after Ignition	1 ppm max.
Chloride (Cl)	0.08 ppm max.
Phosphate (PO ₄)	0.1 ppm max.
Sulfate (SO ₄)	0.2 ppm max.
Silicate (as Si)	0.1 ppm max.
Aluminum (Al)	20 ppb max.
Antimony (Sb)	1 ppb max.
Arsenic (As)	1 ppb max.
Barium (Ba)	5 ppb max.
Beryllium (Be)	1 ppb max.
Bismuth (Bi)	5 ppb max.
Boron (B)	5 ppb max.
Cadmium (Cd)	1 ppb max.
Calcium (Ca)	50 ppb max.
Chromium (Cr)	10 ppb max.
Cobalt (Co)	1 ppb max.
Copper (Cu)	5 ppb max.
Gallium (Ga)	1 ppb max.
Germanium (Ge)	5 ppb max.
Gold (Au)	1 ppb max.
Indium (In)	1 ppb max.
Iron (Fe)	50 ppb max.
Lead (Pb)	5 ppb max.
Lithium (Li)	1 ppb max.
Magnesium (Mg)	10 ppb max.
Manganese (Mn)	5 ppb max.
Molybdenum (Mo)	1 ppb max.
Nickel (Ni)	5 ppb max.
Platinum (Pt)	1 ppb max.
Potassium (K)	5 ppb max.
Silver (Ag)	5 ppb max.
Sodium (Na)	50 ppb max.
Strontium (Sr)	1 ppb max.
Tantalum (Ta)	1 ppb max.
Thallium (Tl)	1 ppb max.
Tin (Sn)	1 ppb max.
Titanium (Ti)	5 ppb max.
Vanadium (V)	5 ppb max.
Zinc (Zn)	10 ppb max.
Zirconium (Zr)	1 ppb max.
Particle/ml :	
0.5 µm and greater	64 max.

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