



Product Specifications

PRODUCT NAME: Nitric Acid
Trace Grade

CHEMICAL FORMULA: HNO₃

Product Code: 371300
F.W.: 63.0100
CAS No: 7697-37-2
Density: 1.4200

ITEM	SPECIFICATIONS
Appearance	Clear, colorless liquid
Assay (HNO ₃)	69.0 - 70.0%
Color (APHA)	10 max.
Residue After Ignition	2 ppm max.
Specific Gravity (60°F/60°F)	1.416 - 1.420
Chloride (Cl)	0.04 ppm max.
Phosphate (PO ₄)	0.1 ppm max.
Sulfate (SO ₄)	0.4 ppm max.
Aluminum (Al)	30 ppb max.
Arsenic and Antimony (as As)	5 ppb max.
Barium (Ba)	1 ppb max.
Beryllium (Be)	1 ppb max.
Bismuth (Bi)	1 ppb max.
Boron (B)	4 ppb max.
Cadmium (Cd)	1 ppb max.
Calcium (Ca)	50 ppb max.
Chromium (Cr)	10 ppb max.
Cobalt (Co)	1 ppb max.
Copper (Cu)	1 ppb max.
Gallium (Ga)	20 ppb max.
Germanium (Ge)	4 ppb max.
Gold (Au)	4 ppb max.
Heavy Metals (as Pb)	100 ppb max.
Iron (Fe)	10 ppb max.
Lead (Pb)	0.5 ppb max.
Lithium (Li)	1 ppb max.
Magnesium (Mg)	7 ppb max.
Manganese (Mn)	1 ppb max.
Mercury (Hg)	0.5 ppb max.
Molybdenum (Mo)	5 ppb max.
Nickel (Ni)	1 ppb max.
Niobium (Nb)	1 ppb max.
Potassium (K)	5 ppb max.
Silicon (Si)	20 ppb max.
Silver (Ag)	1 ppb max.
Sodium (Na)	200 ppb max.
Strontium (Sr)	1 ppb max.
Tantalum (Ta)	2 ppb max.
Thallium (Tl)	5 ppb max.
Tin (Sn)	5 ppb max.
Vanadium (V)	1 ppb max.



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Zinc (Zn)	5 ppb max.
Zirconium (Zr)	1 ppb max.
Date of Manufacture	Record Actual