



TECHNICAL DATA SHEET(TDS)

Nitric Acid 70% Solution, Semiconductor/Electronic Grade

Product Specifications (CAS# 7697-37-2)

Test	Specification	Typical Results
Appearance	Colorless and free from suspended matter or sediment	Pass
Assay (HNO ₃), %	68-70%	69.7%
Color (APHA)	Max 10	5
Residue after Ignition	Max 2 ppm	1 ppm
Chloride (Cl)	Max 0.5 ppm	< 0.2 ppm
Sulfate (SO ₄)	Max 0.5 ppm	< 0.5 ppm
Phosphate (PO ₄)	Max 0.2 ppm	< 0.2 ppm
Heavy Metals (as Pb)	Max 0.2 ppm	< 0.1 ppm
Arsenic & Antimony (as As)	Max 0.005 ppm	< 0.001 ppm
Aluminum (Al)	Max 0.5 ppm	< 0.5 ppm
Barium (Ba)	Max 1 ppm	< 1 ppm
Boron (B)	Max 0.1 ppm	< 0.1 ppm
Cadmium (Cd)	Max 0.5 ppm	< 0.5 ppm
Calcium (Ca)	Max 0.5 ppm	< 0.5 ppm
Chromium (Cr)	Max 0.1 ppm	< 0.1 ppm
Cobalt (Co)	Max 0.5 ppm	< 0.5 ppm
Copper (Cu)	Max 0.05 ppm	<0.05 ppm
Gallium (Ga)	Max 0.1 ppm	<0.1 ppm
Germanium (Ge)	Max 0.1 ppm	<0.1 ppm
Gold (Au)	Max 0.5 ppm	<0.5 ppm
Iron (Fe)	Max 0.2 ppm	<0.2 ppm
Lithium (Li)	Max 1 ppm	< 1 ppm
Magnesium (Mg)	Max 1 ppm	< 1 ppm
Manganese (Mn)	Max 0.5 ppm	< 0.5 ppm
Nickel (Ni)	Max 0.05 ppm	< 0.05 ppm



Test	Specification	Typical Results
Potassium (K)	Max 1 ppm	< 1 ppm
Silicon (Si)	Max 1 ppm	< 1 ppm
Silver (Ag)	Max 0.5 ppm	< 0.5 ppm
Sodium (Na)	Max 1 ppm	< 1 ppm
Strontium (Sr)	Max 1 ppm	< 1 ppm
Tin (Sn)	Max 1 ppm	< 1 ppm
Zinc (Zn)	Max 1 ppm	< 1 ppm

Appropriate/legal use of this product is the responsibility of the user.

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