



Certificate Of Analysis

Product Name NITRIC ACID

Item Number 7525-8-60

Chemical Formula HNO₃

Manufacture Date Dec 20, 2017

Formula Weight 63.01

Lot Number 102901

UN Number 2031

Gradename Trace Metal

CAS Number 7697-37-2

Test Description	Limit	Result
Assay	69.0 % to 70.0 %	69.2
Appearance	Clear	Conforms
Colour	Max. 10 APHA	5
Residue after ignition	Max. 2 ppm	< 1
Trace Impurities (Maximum)		
Chloride (Cl)	0.08 ppm	< 0.03
Phosphate (PO ₄)	0.1 ppm	< 0.03
Sulphate (SO ₄)	0.2 ppm	< 0.2
Aluminum (Al)	50 ppb	< 5.0
Arsenic and Antimony (as As)	5 ppb	< 2
Barium (Ba)	50 ppb	< 1.0
Bismuth (Bi)	50 ppb	< 10.0
Boron (B)	50 ppb	< 5.0
Cadmium (Cd)	50 ppb	< 1.0
Calcium (Ca)	100 ppb	3.0
Chromium (Cr)	50 ppb	< 1.0
Cobalt (Co)	50 ppb	< 1.0
Copper (Cu)	10 ppb	< 1.0
Gallium (Ga)	50 ppb	< 1.0
Germanium (Ge)	80 ppb	< 10.0
Gold (Au)	50 ppb	< 5.0
Heavy metals (as Pb)	100 ppb	< 50
Iron (Fe)	80 ppb	< 1.0
Lead (Pb)	50 ppb	< 10.0
Lithium (Li)	50 ppb	< 1.0
Magnesium (Mg)	50 ppb	< 1.0
Manganese (Mn)	50 ppb	< 1.0
Nickel (Ni)	50 ppb	< 5.0
Niobium (Nb)	50 ppb	< 1.0
Potassium (K)	100 ppb	< 10.0
Silicon (Si)	100 ppb	< 10.0
Silver (Ag)	50 ppb	< 1.0
Sodium (Na)	200 ppb	< 5.0
Strontium (Sr)	50 ppb	< 1.0
Tin (Sn)	100 ppb	< 10.0
Titanium (Ti)	100 ppb	< 1.0
Zinc (Zn)	50 ppb	< 1.0
Particle count (per ml, 1.0ug and greater)	Max. 10	Conforms

Caledon Laboratories Ltd certifies that this copy of an electronic CofA accurately represents the quality of the product and lot number indicated

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