



**ChemPure* Brand
Chemicals**

Product Code: **370800/CP-M1778**
Lot #: **2013080731**

Certificate Of Analysis

Chemical Name: **Nitric Acid, 70%**
ACS/Trace Metal

Chemical Formula: **HNO₃**

...Pure Quality

F.W.: **63.0100**
CAS: **7697-37-2**
Density: **1.4200 kg/L**

Analytical Results		
Item	Specifications	Analysis
Chloride (Cl)	0.08 ppm max. (80 ppb)	<0.05 ppm
Chromium (Cr)	0.1 ppm max. (100 ppb)	0.005 ppm
Color (APHA)	10 max.	3
Copper (Cu)	0.05 ppm max. (50 ppb)	0.00058 ppm
Gold (Au)	0.3 ppm max. (300 ppb)	<0.00005 ppm
Heavy Metals (as Pb)	0.2 ppm max. (200 ppb)	<0.002 ppm
Aluminum (Al)	0.2 ppm max. (200 ppb)	0.027 ppm
Iron (Fe)	0.2 ppm max. (200 ppb)	0.020 ppm
Lead (Pb)	0.1 ppm max. (100 ppb)	0.00005 ppm
Magnesium (Mg)	0.3 ppm max. (300 ppb)	0.0015 ppm
Manganese (Mn)	0.2 ppm max. (200 ppb)	0.001 ppm
Appearance	Clear, colorless liquid	Passes Test
Nickel (Ni)	0.05 ppm max. (50 ppb)	0.002 ppm
Arsenic and Antimony (as As)	0.005 ppm max. (5 ppb)	<0.00012 ppm
Arsenic (As)	0.01 ppm max.	<0.0001 ppm
Phosphate (PO ₄)	0.2 ppm max. (200 ppb)	<0.025 ppm
Potassium (K)	0.3 ppm max. (300 ppb)	0.001 ppm
Residue After Ignition	5 ppm max. (5,000 ppb)	0.4 ppm
Sodium (Na)	0.3 ppm max. (300 ppb)	0.0086 ppm
Sulfate (SO ₄)	0.5 ppm max. (500 ppb)	<0.025 ppm
Tin (Sn)	0.3 ppm max. (300 ppb)	0.00014 ppm
Titanium (Ti)	0.3 ppm max. (300 ppb)	0.00022 ppm
Zinc (Zn)	0.3 ppm max. (300 ppb)	0.0017 ppm
Assay (HNO ₃)	69.0 - 70.0%	69.4%
Boron (B)	0.1 ppm max. (100 ppb)	0.00018 ppm
Calcium (Ca)	0.2 ppm max. (200 ppb)	0.004 ppm

Remarks:

This product meets the specifications of the American Chemical Society (ACS)

It is certified that the above copy is a true copy of the actual lot analysis.

Daryn Browning
Technical Director