



Nitric Acid, 69.0-70.0%

BAKER INSTRA-ANALYZED[®] Reagent
For Trace Metal Analysis

Product No. 9598
Lot No. L15059
Release Date 04/16/2012

Certificate of Analysis

TEST	SPECIFICATION	RESULT
Meets A.C.S. Specifications		
Assay (HNO ₃)	69.0 - 70.0 %	69.6 %
Appearance	Passes Test	Passes Test
Color (APHA)	10 max.	5
Residue after Ignition	2 ppm max.	1 ppm
Specific Gravity at 60°/60°F	1.416 - 1.420	1.419
Trace Impurities (in ppm):		
Chloride (Cl)	0.04 max.	< 0.03
Phosphate (PO ₄)	0.1 max.	0.05
Sulfate (SO ₄)	0.4 max.	< 0.2
Trace Impurities (in ppb):		
Aluminum (Al)	30 max.	0.8
Arsenic and Antimony (as As)	5 max.	< 2
Barium (Ba)	1 max.	< 0.2
Beryllium (Be)	1 max.	< 0.2
Bismuth (Bi)	1 max.	< 1
Boron (B)	4 max.	< 0.7
Cadmium (Cd)	1 max.	< 0.3
Calcium (Ca)	50 max.	3
Chromium (Cr)	10 max.	< 0.4
Cobalt (Co)	1 max.	< 0.3
Copper (Cu)	1 max.	< 0.1
Gallium (Ga)	20 max.	< 0.2
Germanium (Ge)	4 max.	< 2
Gold (Au)	4 max.	< 0.2
Heavy Metals (as Pb)	100 max.	< 50
Iron (Fe)	10 max.	2
Lead (Pb)	0.5 max.	< 0.5
Lithium (Li)	1 max.	< 0.2
Magnesium (Mg)	7 max.	0.2
Manganese (Mn)	1 max.	< 0.4
Mercury (Hg)	0.5 max.	0.1
Molybdenum (Mo)	5 max.	< 3
Nickel (Ni)	1 max.	< 0.3
Niobium (Nb)	1 max.	< 0.2
Potassium (K)	5 max.	< 2
Silicon (Si)	20 max.	1
Silver (Ag)	1 max.	< 0.3
Sodium (Na)	200 max.	0.5

Strontium (Sr)	1 max.	< 0.2
Tantalum (Ta)	2 max.	< 0.9
Thallium (Tl)	5 max.	< 2
Tin (Sn)	5 max.	< 0.8
Vanadium (V)	1 max.	< 0.2
Zinc (Zn)	5 max.	< 0.3
Zirconium (Zr)	1 max.	0.2

For Laboratory, Research or Manufacturing Use

Country of Origin: USA



For questions on this Certificate of Analysis please contact Technical Services at 855-282-6867 or 610-573-2600

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