

Nitric Acid, 69.0–70.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis



Material No.: 9598-34
Batch No.: 0000066236
Manufactured Date: 2013/12/11
Retest Date: 2018/12/10


Certificate of Analysis

Test	Specification	Result
ACS – Assay (HNO ₃)	69.0 – 70.0 %	69.6
Appearance	Passes Test	PT
ACS – Color (APHA)	<= 10	5
ACS – Residue after Ignition	<= 2 ppm	1
ACS – Specific Gravity at 60°/60°F	1.416 – 1.420	1.419
Chloride (Cl)	<= 0.04 ppm	< 0.03
Phosphate (PO ₄)	<= 0.1 ppm	<0.01
Sulfate (SO ₄)	<= 0.4 ppm	< 0.2
Trace Impurities – Aluminum (Al)	<= 30.0 ppb	0.6
Arsenic and Antimony (as As)	<= 5 ppb	2
Trace Impurities – Barium (Ba)	<= 1.0 ppb	< 0.2
Trace Impurities – Beryllium (Be)	<= 1.0 ppb	< 0.2
Trace Impurities – Bismuth (Bi)	<= 1.0 ppb	< 1.0
Trace Impurities – Boron (B)	<= 4.0 ppb	< 0.7
Trace Impurities – Cadmium (Cd)	<= 1.0 ppb	< 0.3
Trace Impurities – Calcium (Ca)	<= 50.0 ppb	2.0
Trace Impurities – Chromium (Cr)	<= 10.0 ppb	< 1.0
Trace Impurities – Cobalt (Co)	<= 1.0 ppb	< 0.3
Trace Impurities – Copper (Cu)	<= 1.0 ppb	< 0.1
Trace Impurities – Gallium (Ga)	<= 20.0 ppb	< 0.2
Trace Impurities – Germanium (Ge)	<= 4.0 ppb	< 2.0
Trace Impurities – Gold (Au)	<= 4.0 ppb	0.2
Heavy Metals (as Pb)	<= 100 ppb	< 50
Trace Impurities – Iron (Fe)	<= 10.0 ppb	0.7


Test	Specification	Result
Trace Impurities – Lead (Pb)	<= 0.5 ppb	< 0.5
Trace Impurities – Lithium (Li)	<= 1.0 ppb	< 0.2
Trace Impurities – Magnesium (Mg)	<= 7.0 ppb	0.2
Trace Impurities – Manganese (Mn)	<= 1.0 ppb	< 0.4
Trace Impurities – Mercury (Hg)	<= 0.5 ppb	< 0.1
Trace Impurities – Molybdenum (Mo)	<= 5.0 ppb	< 3.0
Trace Impurities – Nickel (Ni)	<= 1.0 ppb	< 0.3
Trace Impurities – Niobium (Nb)	<= 1.0 ppb	0.3
Trace Impurities – Potassium (K)	<= 5.0 ppb	< 2.0
Trace Impurities – Silicon (Si)	<= 20.0 ppb	0.8
Trace Impurities – Silver (Ag)	<= 1.0 ppb	< 0.3
Trace Impurities – Sodium (Na)	<= 200.0 ppb	1.0
Trace Impurities – Strontium (Sr)	<= 1.0 ppb	< 0.2
Trace Impurities – Tantalum (Ta)	<= 2.0 ppb	< 0.9
Trace Impurities – Thallium (Tl)	<= 5.0 ppb	< 2.0
Trace Impurities – Tin (Sn)	<= 5.0 ppb	< 0.8
Trace Impurities – Vanadium (V)	<= 1.0 ppb	< 0.2
Trace Impurities – Zinc (Zn)	<= 5.0 ppb	< 0.3
Trace Impurities – Zirconium (Zr)	<= 1.0 ppb	0.2

For Laboratory, Research or Manufacturing Use
Meets ACS Specifications

Country of Origin: US
Packaging Site: Phillipsburg Mfg Ctr & DC



Phillipsburg, NJ 9001:2008, 14001:2004
Paris, KY 9001:2008
Mexico City, Mexico 9001:2008
Deventer, The Netherlands 9001:2008, 14001:2004, 13485:2003
Gliwice, Poland 9001:2008, 17025:2005
Selangor, Malaysia 9001:2008
Dehradun, India, 9001:2008, 14001:2004, 13485:2003
Mumbai, India, 9001:2008, 17025:2005
Panoli, India 9001:2008



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