



Nitric Acid, 69.0-70.0%

BAKER ANALYZED[®] A.C.S. Reagent

Product No. 9601

Lot No. L15T02

Release Date 04/24/2012

Certificate of Analysis

TEST	SPECIFICATION	RESULT
Meets A.C.S. Specifications		
Meets Reagent Specifications for testing USP/NF monographs		
Appearance	Passes Test	Passes Test
Assay (HNO ₃)	69.0 - 70.0 %	69.7 %
Arsenic (As)	0.01 ppm max.	< 0.002 ppm
Color (APHA)	10 max.	5
Specific Gravity at 60°/60°F	1.416 - 1.420	1.418
Residue after Ignition	4 ppm max.	< 2 ppm
Trace Impurities (in ppm):		
Chloride (Cl)	0.1 max.	< 0.08
Phosphate (PO ₄)	0.2 max.	< 0.2
Sulfate (SO ₄)	0.5 max.	< 0.2
Trace Impurities (in ppb):		
Aluminum (Al)	100 max.	< 10
Arsenic and Antimony (as As)	4 max.	< 2
Boron (B)	50 max.	< 4
Cadmium (Cd)	Information Only	< 2
Calcium (Ca)	200 max.	< 20
Chromium (Cr)	100 max.	< 4
Copper (Cu)	50 max.	< 2
Gold (Au)	200 max.	< 2
Heavy Metals (as Pb)	100 max.	< 50
Iron (Fe)	100 max.	< 45
Lead (Pb)	100 max.	< 2
Magnesium (Mg)	100 max.	< 15
Manganese (Mn)	100 max.	< 2
Mercury (Hg)	5 max.	< 1
Nickel (Ni)	50 max.	< 2
Potassium (K)	300 max.	< 10
Tin (Sn)	200 max.	< 3
Titanium (Ti)	200 max.	< 2
Zinc (Zn)	200 max.	< 5
For Laboratory, Research or Manufacturing Use		
USE BEFORE (500 mL glass bottle)..... N/A		
USE BEFORE (2.5 liter glass bottle)..... N/A		
USE BEFORE (6.5 gallon glass carboy).... N/A		
USE BEFORE (55 gallon composite drum)... N/A		
USE BEFORE (55 gallon polyethylene drum) N/A		
USE BEFORE (1000 liter poly IBC)..... April 30, 2013		

USE BEFORE (other container types)..... N/A	
Country of Origin: THAILAND	
	Phillipsburg, NJ 9001.2008, 14001.2004 Paris, KY 9001.2008 Mexico City, Mexico 9001.2008 Deventer, The Netherlands 9001.2008, 14001.2004, 13485.2003 Selangor, Malaysia 9001.2008 Panaji, India 9001.2008 Gliwice, Poland 9001.2008, 17025.2005  Richard M. Siberski Global Director of Quality Assurance

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

Avantor™ Performance Materials, Inc.

3477 Corporate Parkway • Suite #200 • Center Valley, PA 18034 • U.S.A. • Phone: 610.573.2600 • Fax: 610.573.2610