

Sulfuric Acid  
BAKER ANALYZED® A.C.S. Reagent



Material No.: 9681-05  
Batch No.: 0000030012  
Manufactured Date: 2012/11/19  
Retest Date: 2017/11/18

## Certificate of Analysis

Meets ACS Reagent Chemical Requirements,

Test	Specification	Result
Assay (H <sub>2</sub> SO <sub>4</sub> )	95.0 - 98.0 %	96.6
Appearance	Passes Test	PT
Color (APHA)	<= 10	<5
Specific Gravity at 60°/60°F	>= 1.84	1.84
Residue after Ignition	<= 4 ppm	<1
Substances Reducing Permanganate (as SO <sub>2</sub> )	<= 2 ppm	2
Ammonium (NH <sub>4</sub> )	<= 1 ppm	<1
Trace Impurities - Arsenic (As)	<= 0.004 ppm	< 0.002
Chloride (Cl)	<= 0.1 ppm	<0.1
Nitrate (NO <sub>3</sub> )	<= 0.5 ppm	<0.1
Trace Impurities - Aluminum (Al)	<= 200.0 ppb	< 5.0
Trace Impurities - Calcium (Ca)	<= 200.0 ppb	< 1.0
Trace Impurities - Chromium (Cr)	<= 100.0 ppb	< 1.0
Trace Impurities - Copper (Cu)	<= 100.0 ppb	< 1.0
Trace Impurities - Gold (Au)	<= 100.0 ppb	< 5.0
Heavy Metals (as Pb)	<= 500 ppb	< 100
Trace Impurities - Iron (Fe)	<= 200.0 ppb	8.0
Trace Impurities - Lead (Pb)	<= 200.0 ppb	< 1.0
Trace Impurities - Magnesium (Mg)	<= 200.0 ppb	< 1.0
Trace Impurities - Manganese (Mn)	<= 100.0 ppb	< 1.0
Trace Impurities - Mercury (Hg)	<= 5.0 ppb	<0.1
Trace Impurities - Nickel (Ni)	<= 200.0 ppb	< 5.0
Trace Impurities - Potassium (K)	<= 300.0 ppb	< 10.0
Trace Impurities - Sodium (Na)	<= 300.0 ppb	< 5.0

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Trace Impurities - Tin (Sn)	<= 200.0 ppb	< 10.0
Trace Impurities - Titanium (Ti)	<= 200.0 ppb	< 1.0
Trace Impurities - Zinc (Zn)	<= 200.0 ppb	< 1.0

For Laboratory, Research or Manufacturing Use

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

ISO

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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