



# Acetic Acid, Glacial

BAKER INSTRA-ANALYZED<sup>®</sup> Reagent  
For Trace Metal Analysis

Product No. 9524  
Lot No. L07A09  
Release Date 02/13/2012

## Certificate of Analysis

TEST	SPECIFICATION	RESULT
Meets A.C.S. Specifications		
Assay (by GC, corrected for water)	99.9 % min.	100.0 %
Acetaldehyde	0.005 % max.	< 0.005 %
Acetic Anhydride ((CH <sub>3</sub> CO) <sub>2</sub> O)	0.01 % max.	< 0.01 %
Color (APHA)	10 max.	5
Dilution Test	Passes Test	Passes Test
Residue after Evaporation	5 ppm max.	3 ppm
Solubility in H <sub>2</sub> O	Passes Test	Passes Test
Specific Gravity at 20/20°C	1.048 min.	1.057
Substances Reducing Dichromate	Passes Test	Passes Test
Substances Reducing Permanganate	Passes Test	Passes Test
Titrate Base (meq/g)	0.0004 max.	< 0.0004
<b>Trace Impurities (in ppm):</b>		
Chloride (Cl)	0.5 max.	< 0.5
Phosphate (PO <sub>4</sub> )	0.5 max.	< 0.3
Sulfate (SO <sub>4</sub> )	0.5 max.	< 0.3
<b>Trace Impurities (in ppb):</b>		
Aluminum (Al)	50 max.	2
Arsenic and Antimony (as As)	5 max.	< 5
Barium (Ba)	20 max.	0.4
Beryllium (Be)	10 max.	< 0.2
Bismuth (Bi)	50 max.	< 1
Boron (B)	10 max.	< 0.7
Cadmium (Cd)	5 max.	< 0.3
Calcium (Ca)	100 max.	36
Chromium (Cr)	50 max.	2
Cobalt (Co)	10 max.	< 0.3
Copper (Cu)	10 max.	0.8
Germanium (Ge)	50 max.	< 2
Heavy Metals (as Pb)	300 max.	< 300
Iron (Fe)	50 max.	6
Lead (Pb)	10 max.	< 1
Lithium (Li)	50 max.	< 0.2
Magnesium (Mg)	50 max.	8
Manganese (Mn)	5 max.	0.4
Mercury (Hg)	5 max.	< 0.5
Nickel (Ni)	10 max.	0.6
Potassium (K)	200 max.	10

Silicon (Si)	50 max.	0.6
Silver (Ag)	5 max.	< 0.3
Sodium (Na)	500 max.	11
Strontium (Sr)	5 max.	0.2
Tin (Sn)	10 max.	< 0.8
Titanium (Ti)	300 max.	0.8
Zinc (Zn)	10 max.	6

For Laboratory, Research or Manufacturing Use

IMPORTANT: Material will freeze if stored below 17°C (63°F).

Country of Origin: USA

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  
 Selangor, Malaysia 9001.2008  
 Panaji, India 9001.2008  
 Gliwice, Poland 9001.2008, 17025.2005

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

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