2-Propanol

CMOS™ (iso-propyl alcohol)

Product No. 9079
Lot No. L16B13
Release Date 04/20/2012

Certificate of Analysis

TEST	SPECIFICATION	RESULT
Assay ($CH_3CHOHCH_3$)	99.5 % min.	100.0 %
Color (APHA)	10 max.	5
Residue after Evaporation	4 ppm max.	< 1 ppm
Solubility in H_2O	Passes Test	Passes Test
Water (H_2O)(by Karl Fischer titrn)	0.05 % max.	0.01 %
Acidity (ueq/g)	0.2 max.	< 0.01
Alkalinity (ueq/g)	0.1 max.	< 0.01
Trace Impurities (in ppm):		
Chloride (Cl)	0.1 max.	< 0.05
Phosphate (PO_4)	0.3 max.	< 0.05
Trace Impurities (in ppb):		
Aluminum (Al)	50 max.	< 5
Arsenic and Antimony (as As)	10 max.	< 10
Barium (Ba)	20 max.	< 1
Beryllium (Be)	100 max.	< 1
Bismuth (Bi)	100 max.	< 10
Boron (B)	10 max.	< 5
Cadmium (Cd)	20 max.	< 1
Calcium (Ca)	50 max.	3
Chromium (Cr)	20 max.	< 1
Cobalt (Co)	20 max.	< 1
Copper (Cu)	10 max.	< 1
Gallium (Ga)	50 max.	< 1
Germanium (Ge)	50 max.	< 10
Gold (Au)	20 max.	< 5
Heavy Metals (as Pb)	200 max.	< 100
Iron (Fe)	50 max.	1
Lead (Pb)	20 max.	< 10
Lithium (Li)	50 max.	< 1
Magnesium (Mg)	20 max.	< 1
Manganese (Mn)	15 max.	< 1
Molybdenum (Mo)	100 max.	< 5
Nickel (Ni)	10 max.	< 5
Niobium (Nb)	100 max.	< 1
Potassium (K)	100 max.	< 10
Silicon (Si)	50 max.	< 10
Silver (Ag)	20 max.	< 1
Sodium (Na)	100 max.	14
Strontium (Sr)	20 max.	< 1

Tantalum (Ta)	100 max.	< 5
Thallium (Tl)	10 max.	< 5
Tin (Sn)	100 max.	< 10
Titanium (Ti)	20 max.	< 1
Vanadium (V)	100 max.	< 1
Zinc (Zn)	50 max.	< 1
Zirconium (Zr)	100 max.	< 1
Particle Count, per ml:		
0.2 um and greater	5000 max.	347
0.3 um and greater	5000 max.	63
0.5 um and greater	50 max.	13
1.0 um and greater	8 max.	5
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For Microelectronic Use		
USE BEFORE April 30, 2017		
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
Panoli, 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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