

2-Propanol

VLSI

(iso-propyl alcohol)



Material No.: 5373-05
Batch No.: 000006592
Manufactured Date: 2012/06/20
Retest Date: 2017/06/19

Certificate of Analysis

Test	Specification	Result
Assay (CH ₃ CHOHCH ₃)	>= 99.5 %	100.0
Color (APHA)	<= 10	5
Residue after Evaporation	<= 4 ppm	< 1
Solubility in H ₂ O	Passes Test	PT
Water (H ₂ O)(by Karl Fischer titrn)	<= 0.05 %	0.02
Acidity (µeq/g)	<= 0.2	< 0.1
Alkalinity (µeq/g)	<= 0.1	< 0.1
Chloride (Cl)	<= 0.1 ppm	< 0.1
Phosphate (PO ₄)	<= 0.3 ppm	< 0.3
Trace Impurities –Aluminum (Al)	<= 50.0 ppb	< 5.0
Arsenic and Antimony (as As)	<= 10 ppb	< 10
Trace Impurities –Barium (Ba)	<= 20.0 ppb	< 1.0
Trace Impurities –Boron (B)	<= 10.0 ppb	< 5.0
Trace Impurities –Cadmium (Cd)	<= 20.0 ppb	< 1.0
Trace Impurities –Calcium (Ca)	<= 50.0 ppb	1.0
Trace Impurities –Chromium (Cr)	<= 20.0 ppb	< 1.0
Trace Impurities –Cobalt (Co)	<= 20.0 ppb	< 1.0
Trace Impurities –Copper (Cu)	<= 10.0 ppb	< 1.0
Trace Impurities –Gallium (Ga)	<= 50.0 ppb	< 1.0
Trace Impurities –Germanium (Ge)	<= 50.0 ppb	< 10.0
Trace Impurities –Gold (Au)	<= 20.0 ppb	< 5.0
Heavy Metals (as Pb)	<= 200 ppb	< 100
Trace Impurities –Iron (Fe)	<= 50.0 ppb	< 1.0
Trace Impurities –Lead (Pb)	<= 20.0 ppb	< 10.0

Test	Specification	Result
Trace Impurities –Lithium (Li)	<= 50.0 ppb	< 1.0
Trace Impurities –Magnesium (Mg)	<= 20.0 ppb	< 1.0
Trace Impurities –Manganese (Mn)	<= 20.0 ppb	< 1.0
Trace Impurities –Nickel (Ni)	<= 10.0 ppb	< 5.0
Trace Impurities –Potassium (K)	<= 100.0 ppb	< 10.0
Trace Impurities –Silicon (Si)	<= 50.0 ppb	< 10.0
Trace Impurities –Silver (Ag)	<= 20.0 ppb	< 1.0
Trace Impurities –Sodium (Na)	<= 100.0 ppb	< 5.0
Trace Impurities –Strontium (Sr)	<= 20.0 ppb	< 1.0
Trace Impurities –Tin (Sn)	<= 100.0 ppb	< 10.0
Trace Impurities –Titanium (Ti)	<= 20.0 ppb	< 1.0
Trace Impurities –Zinc (Zn)	<= 50.0 ppb	< 1.0
Particle Count –0.5 µm and greater	<= 100 par/ml	4
Particle Count –1.0 µm and greater	<= 8 par/ml	2

For Microelectronic Use

Reported value is the average of all samples counted for this lot number,with no individual sample value exceeding the specification.

Storage Conditions:

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

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