

2-Propanol  
VLSI  
(iso-propyl alcohol)



Material No.: 5373-05  
Batch No.: 21I3061015  
Manufactured Date: 2021-09-13  
Retest Date: 2026-09-12  
Revision No.: 0

# Certificate of Analysis

Test	Specification	Result
Assay (CH <sub>3</sub> CHOHCH <sub>3</sub> )	≥ 99.5 %	100.0 %
Color (APHA)	≤ 10	< 5
Residue after Evaporation	≤ 4 ppm	1 ppm
Solubility in H <sub>2</sub> O	Passes Test	Passes Test
Water (H <sub>2</sub> O)(by Karl Fischer titrn)	≤ 0.05 %	0.02 %
Acidity (µeq/g)	≤ 0.2	0.2
Alkalinity (µeq/g)	≤ 0.1	< 0.1
Chloride (Cl)	≤ 0.2 ppm	< 0.1 ppm
Phosphate (PO <sub>4</sub> )	≤ 0.3 ppm	< 0.3 ppm
Trace Impurities - Aluminum (Al)	≤ 50.0 ppb	< 5.0 ppb
Arsenic and Antimony (as As)	≤ 10.0 ppb	< 10.0 ppb
Trace Impurities - Barium (Ba)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities - Boron (B)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities - Cadmium (Cd)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities - Calcium (Ca)	≤ 50.0 ppb	< 1.0 ppb
Trace Impurities - Chromium (Cr)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities - Cobalt (Co)	≤ 20 ppb	< 1 ppb
Trace Impurities - Copper (Cu)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Gallium (Ga)	≤ 50 ppb	< 1 ppb
Trace Impurities - Germanium (Ge)	≤ 50.0 ppb	< 10.0 ppb
Trace Impurities - Gold (Au)	≤ 20 ppb	< 5 ppb
Heavy Metals (as Pb)	≤ 200.0 ppb	< 200.0 ppb
Trace Impurities - Iron (Fe)	≤ 50.0 ppb	< 1.0 ppb
Trace Impurities - Lead (Pb)	≤ 20.0 ppb	< 10.0 ppb
Trace Impurities - Lithium (Li)	≤ 50.0 ppb	< 1.0 ppb
Trace Impurities - Magnesium (Mg)	≤ 20 ppb	< 1 ppb
Trace Impurities - Manganese (Mn)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities - Nickel (Ni)	≤ 10.0 ppb	< 5.0 ppb

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For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700  
Avantor Performance Materials, LLC  
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2-Propanol  
VLSI  
(iso-propyl alcohol)



Material No.: 5373-05  
Batch No.: 2113061015

Test	Specification	Result
Trace Impurities - Potassium (K)	≤ 100 ppb	< 10 ppb
Trace Impurities - Silicon (Si)	≤ 50 ppb	< 10 ppb
Trace Impurities - Silver (Ag)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities - Sodium (Na)	≤ 100.0 ppb	< 5.0 ppb
Trace Impurities - Strontium (Sr)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities - Tin (Sn)	≤ 100 ppb	< 10 ppb
Trace Impurities - Titanium (Ti)	≤ 20 ppb	< 1 ppb
Trace Impurities - Zinc (Zn)	≤ 50 ppb	< 1 ppb
Particle Count - 0.5 μm and greater	≤ 100 par/ml	5 par/ml
Particle Count - 1.0 μm and greater	≤ 8 par/ml	2 par/ml

For Microelectronic Use

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

Country of Origin: USA

Packaging Site: Paris Mfg Ctr & DC

  
Jamie Ethier  
Vice President Global Quality

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