

Product Specification

Test	Specification
Assay ($\text{CH}_3\text{CHOHCH}_3$)	$\geq 99.5 \%$
Color (APHA)	≤ 10
Residue after Evaporation	$\leq 4 \text{ ppm}$
Solubility in H_2O	Passes Test
Water (H_2O)(by Karl Fischer titrn)	$\leq 0.05 \%$
Acidity ($\mu\text{eq/g}$)	≤ 0.2
Alkalinity ($\mu\text{eq/g}$)	≤ 0.1
Chloride (Cl)	$\leq 0.2 \text{ ppm}$
Phosphate (PO_4)	$\leq 0.3 \text{ ppm}$
Trace Impurities – Aluminum (Al)	$\leq 50.0 \text{ ppb}$
Arsenic and Antimony (as As)	$\leq 10.0 \text{ ppb}$
Trace Impurities – Barium (Ba)	$\leq 20.0 \text{ ppb}$
Trace Impurities – Beryllium (Be)	$\leq 100.0 \text{ ppb}$
Trace Impurities – Bismuth (Bi)	$\leq 100.0 \text{ ppb}$
Trace Impurities – Boron (B)	$\leq 10.0 \text{ ppb}$
Trace Impurities – Cadmium (Cd)	$\leq 20.0 \text{ ppb}$
Trace Impurities – Calcium (Ca)	$\leq 50.0 \text{ ppb}$
Trace Impurities – Chromium (Cr)	$\leq 20.0 \text{ ppb}$
Trace Impurities – Cobalt (Co)	$\leq 20 \text{ ppb}$
Trace Impurities – Copper (Cu)	$\leq 10.0 \text{ ppb}$
Trace Impurities – Gallium (Ga)	$\leq 50 \text{ ppb}$
Trace Impurities – Germanium (Ge)	$\leq 50.0 \text{ ppb}$
Trace Impurities – Gold (Au)	$\leq 20 \text{ ppb}$
Heavy Metals (as Pb)	$\leq 200.0 \text{ ppb}$
Trace Impurities – Iron (Fe)	$\leq 50.0 \text{ ppb}$
Trace Impurities – Lead (Pb)	$\leq 20.0 \text{ ppb}$
Trace Impurities – Lithium (Li)	$\leq 50.0 \text{ ppb}$
Trace Impurities – Magnesium (Mg)	$\leq 20 \text{ ppb}$

>>> Continued on page 2 >>>

Test	Specification
Trace Impurities – Manganese (Mn)	≤ 15.0 ppb
Trace Impurities – Molybdenum (Mo)	≤ 100.0 ppb
Trace Impurities – Nickel (Ni)	≤ 10.0 ppb
Trace Impurities – Niobium (Nb)	≤ 100.0 ppb
Trace Impurities – Potassium (K)	≤ 100 ppb
Trace Impurities – Silicon (Si)	≤ 50 ppb
Trace Impurities – Silver (Ag)	≤ 20.0 ppb
Trace Impurities – Sodium (Na)	≤ 100.0 ppb
Trace Impurities – Strontium (Sr)	≤ 20.0 ppb
Trace Impurities – Tantalum (Ta)	≤ 100.0 ppb
Trace Impurities – Thallium (Tl)	≤ 10.0 ppb
Trace Impurities – Tin (Sn)	≤ 100 ppb
Trace Impurities – Titanium (Ti)	≤ 20 ppb
Trace Impurities – Vanadium (V)	≤ 100.0 ppb
Trace Impurities – Zinc (Zn)	≤ 50 ppb
Trace Impurities – Zirconium (Zr)	≤ 100.0 ppb
Particle Count – 0.2 µm and greater	≤ 5000 par/ml
Particle Count – 0.3 µm and greater	≤ 5000 par/ml
Particle Count – 0.5 µm and greater	≤ 50 par/ml
Particle Count – 1.0 µm and greater	≤ 8 par/ml

>>> Continued on page 3 >>>

2-Propanol
CMOS
(iso-propyl alcohol)



Material No.: 9079-05

Test	Specification
------	---------------

For Microelectronic Use
Packaging Site: Paris Mfg Ctr & DC

Product Code: 9079-05

James Ethier
Jamie Ethier
Vice President Global Quality

For questions on this Product Specification please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone 610.386.1700