

Material No.: 9513-07 Revision No.: 0

Product Specification

Test	Specification	
Assay (CH₃COOH) (by freezing point)	≥ 99.7 %	
Color (APHA)	≤ 10	
Acetic Anhydride ((CH ₃ CO) ₂ O)	≤ 0.01 %	
Acetaldehyde	≤ 0.05 %	
Residue after Evaporation	≤ 4 ppm	
Solubility in H₂O	Passes Test	
Specific Gravity at 20°/20°C	≥ 1.048	
Substances Reducing Dichromate	Passes Test	
Substances Reducing Permanganate	Passes Test	
Chloride (Cl)	≤ 1 ppm	
Phosphate (PO ₄)	≤ 1 ppm	
Sulfate (SO ₄)	≤ 0.5 ppm	
Trace Impurities – Aluminum (Al)	≤ 50.0 ppb	
Arsenic and Antimony (as As)	≤ 5.0 ppb	
Trace Impurities – Barium (Ba)	≤ 10.0 ppb	
Trace Impurities – Beryllium (Be)	≤ 10.0 ppb	
Trace Impurities – Bismuth (Bi)	≤ 50 ppb	
Trace Impurities – Boron (B)	≤ 10.0 ppb	
Trace Impurities - Cadmium (Cd)	≤ 10.0 ppb	
Trace Impurities - Calcium (Ca)	≤ 200.0 ppb	
Trace Impurities - Chromium (Cr)	≤ 30.0 ppb	
Trace Impurities - Cobalt (Co)	≤ 10.0 ppb	
Trace Impurities – Copper (Cu)	≤ 20.0 ppb	
Trace Impurities – Gallium (Ga)	≤ 10.0 ppb	
Trace Impurities – Germanium (Ge)	≤ 10.0 ppb	
Trace Impurities – Gold (Au)	≤ 10.0 ppb	
Trace Impurities – Iron (Fe)	≤ 100.0 ppb	
Trace Impurities – Lead (Pb)	≤ 100 ppb	



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Trace Impurities – Lithium (Li)	≤ 10.0 ppb	
Trace Impurities – Magnesium (Mg)	≤ 50.0 ppb	
Trace Impurities – Manganese (Mn)	≤ 10.0 ppb	
Trace Impurities - Molybdenum (Mo)	≤ 10.0 ppb	
Trace Impurities - Nickel (Ni)	≤ 25.0 ppb	
Trace Impurities - Niobium (Nb)	≤ 10.0 ppb	
Trace Impurities – Potassium (K)	≤ 100 ppb	
Trace Impurities - Silicon (Si)	≤ 50 ppb	
Trace Impurities – Silver (Ag)	≤ 10.0 ppb	
Trace Impurities – Sodium (Na)	≤ 100.0 ppb	
Trace Impurities - Strontium (Sr)	≤ 10.0 ppb	
Trace Impurities - Tantalum (Ta)	≤ 10.0 ppb	
Trace Impurities - Thallium (TI)	≤ 50.0 ppb	
Trace Impurities - Tin (Sn)	≤ 50 ppb	
Trace Impurities - Titanium (Ti)	≤ 100.0 ppb	
Trace Impurities - Vanadium (V)	≤ 10.0 ppb	
Trace Impurities – Zinc (Zn)	≤ 50 ppb	
Trace Impurities – Zirconium (Zr)	≤ 10.0 ppb	



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For Microelectronic Use

For additional information, go to www.askavantor.com. Search keywords "freezing" and product name.

Storage Condition: IMPORTANT: Material will freeze if stored below 17 $^{\circ}$ C (63 $^{\circ}$ F).

Packaging Site: Phillipsburg Mfg Ctr & DC