

Material No.: 9466-03 Batch No.: 25D2261017

Manufactured Date: 2025-03-21

Retest Date: 2030-03-20

Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (C ₆ H ₅ CH ₃) (by GC)	>= 99.5 %	99.9 %
Color (APHA)	<= 10	<5
Acidity (µeq/g)	<= 0.2	0.1
Residue after Evaporation	<= 2.0 ppm	1.0 ppm
Water (by KF, coulometric)	<= 0.03 %	0.01 %
Substances Darkened by H ₂ SO ₄	Passes Test	Passes Test
Sulfur Compounds (as S)	<= 0.003 %	0.000 %
Chloride (CI)	<= 2 ppm	<2 ppm
Phosphate (PO ₄)	<= 0.5 ppm	<0.5 ppm
Trace Impurities – Aluminum (Al)	<= 20 ppb	<5 ppb
Arsenic & Antimony (as As)	<= 10.0 ppb	<10.0 ppb
Trace Impurities – Barium (Ba)	<= 10.0 ppb	<1.0 ppb
Trace Impurities – Boron (B)	<= 20.0 ppb	<5.0 ppb
Trace Impurities - Cadmium (Cd)	<= 20.0 ppb	<1.0 ppb
Trace Impurities - Calcium (Ca)	<= 100.0 ppb	6.2 ppb
Trace Impurities - Chromium (Cr)	<= 10.0 ppb	<1.0 ppb
Trace Impurities - Cobalt (Co)	<= 20 ppb	<1 ppb
Trace Impurities – Copper (Cu)	<= 20.0 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)	<= 500.0 ppb	<250.0 ppb
Trace Impurities – Iron (Fe)	<= 20.0 ppb	<1.0 ppb
Trace Impurities – Lithium (Li)	<= 20.0 ppb	<1.0 ppb
Trace Impurities – Magnesium (Mg)	<= 10.0 ppb	<1.0 ppb
Trace Impurities – Manganese (Mn)	<= 10.0 ppb	<1.0 ppb
Trace Impurities - Nickel (Ni)	<= 20.0 ppb	<5.0 ppb
Trace Impurities – Potassium (K)	<= 50 ppb	<10 ppb



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Trace Impurities – Silicon (Si)	<= 100.0 ppb	<10.0 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)	<= 10.0 ppb	<1.0 ppb	
Trace Impurities – Tin (Sn)	<= 30.0 ppb	<10.0 ppb	
Trace Impurities – Zinc (Zn)	<= 20.0 ppb	<1.0 ppb	
Particle Count – 1.0 µm and greater	<= 10 par/ml	1 par/ml	

For Microelectronic Use

Country of Origin: United States Packaging Site: Paris Mfg Ctr & DC

