

Material No.: 5965-05
Batch No.: P25G306745
Manufactured Date: 2025-07-25
Expiration Date: 2027-07-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	≥ 99.5 %	100.0 %
Color (APHA)	≤ 10	< 1
Specific Gravity at 20°/20°C	0.790 – 0.793	0.792
Residue after Evaporation	≤ 5 ppm	1 ppm
Titration Acid (µeq/g)	≤ 0.30	< 0.10
Titration Base (µeq/g)	≤ 0.50	< 0.10
Water (H ₂ O)	≤ 0.50 %	< 0.10 %
Solubility in H ₂ O	Passes test	Passes test
Chloride (Cl)	≤ 0.2 ppm	< 0.1 ppm
Phosphate (PO ₄)	≤ 0.05 ppm	< 0.01 ppm
Trace Impurities – Aluminum (Al)	≤ 50 ppb	< 0 ppb
Arsenic and Antimony (as As)	≤ 5 ppb	< 0 ppb
Trace Impurities – Barium (Ba)	≤ 20 ppb	< 0 ppb
Trace Impurities – Beryllium (Be)	≤ 10 ppb	< 0 ppb
Trace Impurities – Bismuth (Bi)	≤ 20 ppb	< 0 ppb
Trace Impurities – Boron (B)	≤ 10 ppb	< 0 ppb
Trace Impurities – Cadmium (Cd)	≤ 10 ppb	< 0 ppb
Trace Impurities – Calcium (Ca)	≤ 25 ppb	< 0 ppb
Trace Impurities – Chromium (Cr)	≤ 10 ppb	< 0 ppb
Trace Impurities – Cobalt (Co)	≤ 10 ppb	< 0 ppb
Trace Impurities – Copper (Cu)	≤ 10 ppb	< 0 ppb
Trace Impurities – Gallium (Ga)	≤ 10 ppb	< 0 ppb
Trace Impurities – Germanium (Ge)	≤ 10 ppb	< 0 ppb
Trace Impurities – Gold (Au)	≤ 20 ppb	< 1 ppb
Trace Impurities – Iron (Fe)	≤ 20 ppb	< 0 ppb
Trace Impurities – Lead (Pb)	≤ 10 ppb	< 0 ppb
Trace Impurities – Lithium (Li)	≤ 10 ppb	< 0 ppb
Trace Impurities – Magnesium (Mg)	≤ 20 ppb	< 1 ppb

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Trace Impurities – Manganese (Mn)	≤ 10 ppb	< 0 ppb
Trace Impurities – Molybdenum (Mo)	≤ 10 ppb	< 0 ppb
Trace Impurities – Nickel (Ni)	≤ 10 ppb	< 0 ppb
Trace Impurities – Niobium (Nb)	≤ 50 ppb	< 0 ppb
Trace Impurities – Potassium (K)	≤ 10 ppb	< 0 ppb
Trace Impurities – Silicon (Si)	≤ 50 ppb	< 1 ppb
Trace Impurities – Silver (Ag)	≤ 10 ppb	< 0 ppb
Trace Impurities – Sodium (Na)	≤ 10 ppb	< 0 ppb
Trace Impurities – Strontium (Sr)	≤ 10 ppb	< 0 ppb
Trace Impurities – Tantalum (Ta)	≤ 50 ppb	< 0 ppb
Trace Impurities – Thallium (Tl)	≤ 10 ppb	< 0 ppb
Trace Impurities – Tin (Sn)	≤ 20 ppb	< 0 ppb
Trace Impurities – Titanium (Ti)	≤ 10 ppb	< 0 ppb
Trace Impurities – Vanadium (V)	≤ 10 ppb	< 0 ppb
Trace Impurities – Zinc (Zn)	≤ 20 ppb	< 0 ppb
Trace Impurities – Zirconium (Zr)	≤ 10 ppb	< 0 ppb
Particle Count – 0.5 µm and greater	≤ 100 par/ml	5 par/ml
Particle Count – 1.0 µm and greater	≤ 8 par/ml	1 par/ml

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For Microelectronic Use
Country of Origin: Taiwan

A handwritten signature in blue ink, appearing to read 'Girish Prajapati', is written over a solid blue rectangular background.

Girish Prajapati
Site Quality Manager

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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