

NMP (1-Methyl-2-pyrrolidinone)
ALEG®
Positive Photoresist Stripper



Material No.: 6397-05
Batch No.: 24J1062001
Manufactured Date: 2024-07-16
Retest Date: 2029-07-15
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (C ₅ H ₉ NO)	>= 99.5 %	100.0 %
Color (APHA)	<= 20	10
Water (H ₂ O)(by Karl Fischer titrn)	<= 0.05 %	0.02 %
Free Amines (as CH ₃ NH ₂)	<= 50 ppm	<1 ppm
Chloride (Cl)	<= 0.5 ppm	<0.5 ppm
Phosphate (PO ₄)	<= 1 ppm	<1 ppm
Trace Impurities – Aluminum (Al)	<= 100.0 ppb	<0.5 ppb
Arsenic & Antimony (as As)	<= 100.0 ppb	<10.0 ppb
Trace Impurities – Barium (Ba)	<= 100.0 ppb	<0.5 ppb
Trace Impurities – Boron (B)	<= 100.0 ppb	<2.0 ppb
Trace Impurities – Calcium (Ca)	<= 300 ppb	6 ppb
Trace Impurities – Chromium (Cr)	<= 100.0 ppb	<1.0 ppb
Trace Impurities – Cobalt (Co)	<= 100.0 ppb	<1.0 ppb
Trace Impurities – Copper (Cu)	<= 100.0 ppb	<0.5 ppb
Trace Impurities – Gold (Au)	<= 100.0 ppb	<0.5 ppb
Trace Impurities – Iron (Fe)	<= 100.0 ppb	<1.0 ppb
Trace Impurities – Lead (Pb)	<= 100 ppb	<3 ppb
Trace Impurities – Lithium (Li)	<= 100.0 ppb	<0.5 ppb
Trace Impurities – Magnesium (Mg)	<= 100.0 ppb	<0.5 ppb
Trace Impurities – Manganese (Mn)	<= 100.0 ppb	<1.0 ppb
Trace Impurities – Nickel (Ni)	<= 100.0 ppb	<1.0 ppb
Trace Impurities – Potassium (K)	<= 100 ppb	<4 ppb
Trace Impurities – Silver (Ag)	<= 100.0 ppb	<1.0 ppb
Trace Impurities – Sodium (Na)	<= 300 ppb	<1 ppb
Trace Impurities – Strontium (Sr)	<= 100.0 ppb	<0.5 ppb
Trace Impurities – Tin (Sn)	<= 100 ppb	2 ppb
Trace Impurities – Titanium (Ti)	<= 100.0 ppb	<1.0 ppb
Trace Impurities – Vanadium (V)	<= 100.0 ppb	<0.5 ppb

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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Test	Specification	Result
Trace Impurities – Zinc (Zn)	<= 100.0 ppb	<1.0 ppb
Particle Count – 1.0 µm and greater (Rion KS42AF)	<= 10 par/ml	<1 par/ml

For Microelectronic Use

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

A handwritten signature in black ink that reads 'JCroak'.

Jamie Croak
Director Quality Operations, Bioscience Production

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