

NMP (1-Methyl-2-pyrrolidinone)
ALEG®

Positive Photoresist Stripper



Material No.: 6397-05
Batch No.: 0000020390
Manufactured Date: 2012/09/26
Retest Date: 2017/09/25

Certificate of Analysis

Test	Specification	Result
Assay (C ₅ H ₉ NO)	>= 99.5 %	99.5
Color (APHA)	<= 20	20
Water (H ₂ O)(by Karl Fischer titrn)	<= 0.05 %	0.01
Free Amines (as CH ₃ NH ₂)	<= 50 ppm	31
Chloride (Cl)	<= 0.5 ppm	< 0.5
Phosphate (PO ₄)	<= 1 ppm	< 1
Trace Impurities – Aluminum (Al)	<= 100.0 ppb	< 0.5
Arsenic and Antimony (as As)	<= 100 ppb	< 10
Trace Impurities – Barium (Ba)	<= 100.0 ppb	< 0.5
Trace Impurities – Boron (B)	<= 100.0 ppb	< 2.0
Trace Impurities – Calcium (Ca)	<= 300.0 ppb	1.0
Trace Impurities – Chromium (Cr)	<= 100.0 ppb	< 1.0
Trace Impurities – Cobalt (Co)	<= 100.0 ppb	< 1.0
Trace Impurities – Copper (Cu)	<= 100.0 ppb	< 0.5
Trace Impurities – Gold (Au)	<= 100.0 ppb	< 0.5
Trace Impurities – Iron (Fe)	<= 100.0 ppb	< 1.0
Trace Impurities – Lead (Pb)	<= 100.0 ppb	< 3.0
Trace Impurities – Lithium (Li)	<= 100.0 ppb	< 0.5
Trace Impurities – Magnesium (Mg)	<= 100.0 ppb	< 0.5
Trace Impurities – Manganese (Mn)	<= 100.0 ppb	< 1.0
Trace Impurities – Nickel (Ni)	<= 100.0 ppb	< 1.0
Trace Impurities – Potassium (K)	<= 100.0 ppb	< 4.0
Trace Impurities – Silver (Ag)	<= 100.0 ppb	< 1.0
Trace Impurities – Sodium (Na)	<= 300.0 ppb	1.0

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Test	Specification	Result
Trace Impurities – Strontium (Sr)	<= 100.0 ppb	< 0.5
Trace Impurities – Tin (Sn)	<= 100.0 ppb	< 2.0
Trace Impurities – Titanium (Ti)	<= 100.0 ppb	< 1.0
Trace Impurities – Vanadium (V)	<= 100.0 ppb	< 0.5
Trace Impurities – Zinc (Zn)	<= 100.0 ppb	< 1.0
Particle Count – 1.0 µm and greater (Rion KS42AF)	<= 10 par/ml	< 1

For Microelectronic Use

Country of Origin: US
Packaging Site: Phillipsburg Mfg Ctr & DC

ISO

Phillipsburg, NJ 9001.2008, 14001.2004
Paris, KY 9001.2008
Mexico city, Mexico 9001.2008
Deventer, The Netherlands 9001.2008, 14001.2004
Selangor, Malaysia 9001.2008
Panoli, India 9001.2008
Gliwice, Poland 9001.2008, 17025.2005



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