NMP (1-Methyl-2-pyrrolidinone) ALEG®

Positive Photoresist Stripper





Material No.: 6397-05 Batch No.: 0000005888

Manufactured Date: 2012/05/13

Retest Date: 2017/05/12

Certificate of Analysis

Test	S pecification	Result
Assay (C ₅ H ₉ NO)	>= 99.5 %	100.0
Color (APHA)	<= 20	10
Water (H2O)(by Karl Fischer titrn)	<= 0.05 %	0.02
Free Amines (as CH3NH2)	<= 50 ppm	26
Chloride (CI)	<= 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	3.0
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 –S odium (Na)	<= 300.0 ppb	4.0

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Test	S pecification	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 KS 42AF)	<= 10 par/ml	2

For Microelectronic Use

Storage Conditions:

Country of Origin: US

Packaging Site: Phillipsburg Mfg Ctr & DC



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

Richard M Siberski
Global Director of Quality Assurance