

Certificate of Analysis

Date of Testing: 2025-05-08 15:45:54

Date of Next Testing: 2027-04-28 15:45:54

Product Name: **N-Ethylmaleimide (NEM)**

CAS Number: 128-53-0

Specifications & Purity: Moligand™, Ultra pure, ≥99%

Lot #: E2507315

SKU #: **E100553**

Version: **1**

Analysis #: **503709**

Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Sodium(Na)	0-50 (ppm)	1.14 ppm
Magnesium(Mg)	0-5 (ppm)	0.00 ppm
Zinc(Zn)	0-5 (ppm)	0.00 ppm
Iron(Fe)	0-5 (ppm)	0.00 ppm
Manganese(Mn)	0-5 (ppm)	0.00 ppm
Potassium(K)	0-50 (ppm)	0.00 ppm
Strontium(Sr)	0-5 (ppm)	0.00 ppm
Aluminum(Al)	0-5 (ppm)	0.00 ppm
Bismuth(Bi)	0-5 (ppm)	0.00 ppm
Cadmium(Cd)	0-5 (ppm)	0.00 ppm
Cobalt(Co)	0-5 (ppm)	0.00 ppm
Barium(Ba)	0-5 (ppm)	0.00 ppm
Nickel(Ni)	0-5 (ppm)	0.00 ppm
Melting point	44-47 (°C)	46.85000 °C
Chloride (Cl-)	0-50 (ppm)	0.00 ppm
Copper(Cu)	0-5 (ppm)	0.00 ppm
Sulfate(SO42-)	0-100 (ppm)	0.00 ppm
Purity(HPLC)	99-100 (%)	99.54100 %
Calcium(Ca)	0-10 (ppm)	0.00 ppm
Chromium(Cr)	0-5 (ppm)	0.00 ppm
(Pb)Lead	0-5 (ppm)	0.00 ppm
Ignition Residue	0-0.05 (%)	0.00 %
Lithium(Li)	0-5 (ppm)	0.00 ppm
Appearance (E100553)	white to off-white powder,crystals,flakes or chunk	white to off-white powder,crystals,flakes or chunk

ALADDIN SCIENTIFIC CORPORATION

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Parameter	Limit Values	Result
Absorption	absorption1M/382 nm, methanol cut-off	absorption1M/382 nm, methanol cut-off
Insoluble matter	pass	Pass
Solubility in H ₂ O	Almost transparency	almost transparency
Solubility in MeOH , Clear,Colorless,1 M at 20 °C	pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure

A handwritten signature in black ink that reads "John Su".John Su
QA & QC Manager