

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-03-09 18:59:33  
 Date of Next Testing: 2025-02-26 18:59:33  
 Product Name: **N-Ethylmaleimide**  
 CAS Number: 128-53-0  
 Specifications & Purity: Ultra pure , 99.0%  
 Lot #: C2303730  
 SKU #: **E100553**  
 Version: **0**  
 Analysis #: **159835**  
 Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Sodium(Na)	0-50 (ppm)	7.15 ppm
Magnesium(Mg)	0-5 (ppm)	4.15 ppm
Zinc(Zn)	0-5 (ppm)	0.00 ppm
Manganese(Mn)	0-5 (ppm)	0.12 ppm
Potassium(K)	0-50 (ppm)	0.00 ppm
Strontium(Sr)	0-5 (ppm)	0.00 ppm
Aluminum(Al)	0-5 (ppm)	1.94 ppm
Bismuth(Bi)	0-5 (ppm)	0.00 ppm
Cadmium(Cd)	0-5 (ppm)	0.01 ppm
Cobalt(Co)	0-5 (ppm)	0.00 ppm
Nickel(Ni)	0-5 (ppm)	0.54 ppm
Melting point	44-47 (°C)	45.27000 °C
Chloride (Cl-)	0-50 (ppm)	0.00 ppm
Copper(Cu)	0-5 (ppm)	0.00 ppm
Sulfate(SO42-)	0-100 (ppm)	12.36 ppm
Purity(HPLC)	98-100 (%)	99.91000 %
Chromium(Cr)	0-5 (ppm)	0.00 ppm
(Pb)Lead	0-5 (ppm)	1.34 ppm
Ignition Residue	0-0.05 (%)	0.00 %
Lithium(Li)	0-5 (ppm)	0.00 ppm
Iron(Fe)	0-5 (ppm)	0.00 ppm
Barium(Ba)	0-5 (ppm)	0.00 ppm
Calcium(Ca)	0-10 (ppm)	9.98 ppm
Appearance (E100553)	white to off-white powder,crystals,flakes or chunk	white to off-white powder,crystals,flakes or chunk

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

A handwritten signature in black ink that reads "John Su".

John Su  
QA & QC Manager