

## Certificate of Analysis

Date of Testing: 2023-05-17 13:08:37  
 Date of Next Testing: 2025-05-06 13:08:37  
 Product Name: **N,N'-Methylenebis(acrylamide)**  
 CAS Number: 110-26-9  
 Specifications & Purity: for molecular biology, ≥99.0%(T)  
 Lot #: E2310106  
 SKU #: **M104027**  
**Analysis: 051806**  
 Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Magnesium(Mg)	0-40 (ppm)	0.40 ppm
Chloride (Cl-)	0-50 (ppm)	0.50 ppm
Iron(Fe)	0-40 (ppm)	0.06 ppm
A290 UV Absorbance	0-0.2 (%)	0.17 %
Purity(HPLC)	98-100 (%)	99.00970 %
Sulfate(SO42-)	0-50 (ppm)	0.20 ppm
Free Acrylic Acid	0-0.05 (%)	0.03 %
Carbon by Elemental Analysis	53.4-55.6 (%)	53.97 %
Nitrogen by Elemental Analysis	17.8-18.5 (%)	18.23 %
Electric Conductivity at 20 °C (20 mg/ml water)	0-5 (µS/cm)	1.00 µS/cm
DNases	none detected	none detected
Infrared spectrum	Conforms to Structure	Conforms to Structure
Insoluble matter	pass	Pass
phosphatases	none detected	none detected
proteases	none detected	none detected
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
RNases	none detected	none detected
Solubility in H2O , soluble 20 mg/mL at 20 °C, clear, colorless	pass	Pass



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ALADDIN SCIENTIFIC CORPORATION

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

John Su  
QA & QC Manager