

Certificate of Analysis

Date of Testing: 2022-02-11 12:27:28
Date of Next Testing: 2024-02-11 12:27:28
Product Name: **N-Methyl-D-aspartic acid**
CAS Number: 6384-92-5
Specifications & Purity: $\geq 98\%$
Lot #: B2209146
SKU #: **N129532**
Analysis: 072336
Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Carbon by Elemental Analysis(anhydrous)	39.8-41.9 (%)	39.87%
Water by Karl Fischer	0-11 (%)	5.73%
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in } 6\text{N HCl})$	-30--26 ($^{\circ}$)	-27.28 $^{\circ}$
Purity (Titration by NaOH)	86-100 (%)	86.32%
Nitrogen by Elemental Analysis (anhydrous)	9.3-9.8 (%)	9.38%
Purity(HPLC)	98-100 (%)	98.10800%
Appearance (N129532)	White powder	White powder
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in H ₂ O , Colorless ,Clear ,50 mg/mL in H ₂ O	pass	Pass



John Su
QA & QC Manager