

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-04-02 13:41:38
 Date of Next Testing: 2027-04-02 13:41:38
 Product Name: **NG-Monomethyl-L-arginine Acetate**
 CAS Number: 53308-83-1
 Specifications & Purity: Moligand™, ≥98%
 Lot #: D2501460
 SKU #: **N133898**
 Version: **0**
 Analysis #: **487445**
 Storage Temperature: Store at -20°C, Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	99.00000 %
Carbon by Elemental Analysis(anhydrous)	42.4-44.7 (%)	43.20000 %
Nitrogen by Elemental Analysis (anhydrous)	21.3-23.8 (%)	22.10000 %
Melting point	180-190 (°C)	182.00000 °C
Water by Karl Fischer	0-3 (%)	2.50000 %
Specific Rotation [α] _{20/D}	10-13 (°)	10.20000 °
Purity(Nonaqueous Titration)	97.5-102.5 (%)	98.20000 %
Appearance (N133898)	White to white with yellow to off-white cast powder or solid	White to white with yellow to off-white cast powder or solid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in H ₂ O , Colorless to Yellow, Clear to Slightly Hazy(50mg/ml)	pass	Pass



John Su
QA & QC Manager