

Shanghai yuanye Bio-Technology Co., Ltd

465 Changta Road, SongJiang District, Shanghai 201604, China

Certificate of Analysis

Date of Testing: 2026-06-18 10:03:26

Date of Next Testing: 2028-06-18 10:03:26

Product Name: **NG-Monomethyl-L-arginine Acetate**

CAS Number: 53308-83-1

Specifications & Purity: $\geq 98\%$

Lot #: D2519112

SKU #: **Y38525**

Version: **0**

Analysis #: **505301**

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 (%)	43.20 %
Nitrogen by Elemental Analysis (anhydrous)	21.3-23.8 (%)	22.10 %
Melting point	180-190 ($^{\circ}\text{C}$)	182.00000 $^{\circ}\text{C}$
Water by Karl Fischer	0-3 (%)	2.50 %
Specific Rotation $[\alpha]_{20/D}$	10-13 ($^{\circ}$)	10.20 $^{\circ}$
Purity(NonaqueousTitration)	97.5-102.5 (%)	98.20 %
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in H_2O , Colorless to Yellow,Clear to Slightly Hazy(50mg/ml	pass	Pass
Appearance(Y38525)	White to white with yellow to off-white cast powder or solid	White to white with yellow to off-white cast powder or solid

Quality Assurance : Xiaoyong Tan

Quality Control : Yunfei Zou

