

Certificate of Analysis

Date of Testing: 2023-12-11 15:36:20
Date of Next Testing: 2025-12-10 15:36:20
Product Name: **N-Methyl-DL-alanine**
CAS Number: 600-21-5
Specifications & Purity: $\geq 98.0\%$
Lot #: L2305155
SKU #: **I135858**
Analysis: **097372**

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{25}^D(c=1 \text{ in H}_2\text{O})$	-1-1 ($^{\circ}$)	-0.07 $^{\circ}$
Purity(HPLC)	98-100 (%)	99.54600 %
Carbon by Elemental Analysis	44.3-47.8 (%)	44.31 %
Nitrogen by Elemental Analysis	13.2-13.9 (%)	13.22 %
Appearance (I135858)	White to Almost white powder to crystal	White to Almost white powder to crystal
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in H ₂ O , Colorless ,Clear ,50 mg/mL in H ₂ O	pass	Pass
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager