

Certificate of Analysis

Date of Testing: 2024-12-05 15:31:03

Date of Next Testing: 2026-12-05 15:31:03

Product Name: **N-Z-L-serine methyl ester**

CAS Number: 1676-81-9

Specifications & Purity: $\geq 95\%$

Lot #: C23081367

SKU #: **I132671**

Version: **0**

Analysis #: **443857**

Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Melting point	35-40 (°C)	36.10000 °C
Carbon by Elemental Analysis	53.5-60.3 (%)	55.10 %
Specific Rotation $[\alpha]_{20/D(c=1 \text{ in MeOH})}$	-17--12 (°)	-16.30 °
Nitrogen by Elemental Analysis	5.1-5.9 (%)	5.20 %
Purity(HPLC)	95-100 (%)	99.60000 %
Appearance (I132671)	Colorless to white to Yellow Powder or Solid or Liquid	Colorless to white to Yellow Powder or Solid or Liquid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in MeOH	almost transparency	almost transparency



John Su
QA & QC Manager