

Certificate of Analysis

Date of Testing: 2025-01-21 08:42:05

Date of Next Testing: 2029-01-20 08:42:05

Product Name: **Gly-His**

CAS Number: 2489-13-6

Specifications & Purity: $\geq 98\%$

Lot #: F1706087

SKU #: **G121419**

Version: **0**

Analysis #: **465488**

Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	99.02000 %
Specific Rotation $[\alpha]_{24}^{\text{D}}(\text{c}=2 \text{ in H}_2\text{O})$	22-28 ($^{\circ}$)	24.00 $^{\circ}$
Water by Karl Fischer	0-17.5 (%)	12.30 %
Appearance (G121419)	White Powder, Crystals and/or Chunks	White Powder, Crystals and/or Chunks
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility, Colorless and clear(5% in H ₂ O) pass		Pass



John Su
QA & QC Manager