

Certificate of Analysis

Date of Testing: 2024-12-25 18:28:09

Date of Next Testing: 2028-12-24 18:28:09

Product Name: **N-Cbz-L-4-Hydroxyproline methyl ester**

CAS Number: 64187-48-0

Specifications & Purity: $\geq 95\%$

Lot #: L2416520

SKU #: **H115890**

Version: **0**

Analysis #: **068769**

Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Density (20°C)	1.312-1.314	1.31
Purity(HPLC)	95-100 (%)	98.00600 %
Specific Rotation $[\alpha]_{20/D}(c=1.028g/100ml \text{ in } CHCl_3)$	-71--66 (°)	-66.01 °
Appearance (H115890)	colorless viscous liquid	colorless viscous liquid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager