

Certificate of Analysis

Date of Testing: 2024-12-28 16:04:23

Date of Next Testing: 2028-12-27 16:04:23

Product Name: **L-Thiaproline**

CAS Number: 34592-47-7

Specifications & Purity: $\geq 98\%$ (HPLC)

Lot #: L2418503

SKU #: **T137734**

Version: **1**

Analysis #: **455706**

Parameter	Limit Values	Result
Purity(Neutralization titration)	97.5-102.5 (%)	101.27 %
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in } 1\text{mol/L NaOH sol.})$	-202--197 (°)	-201.90 °
Purity(HPLC)	98-100 (%)	99.76600 %
Appearance (T137734)	White powder	White powder
Solubility in hot H2O	almost transparency	almost transparency
Proton NMR spectrum	Conforms to structure	Conforms to Structure



John Su
QA & QC Manager