

Certificate of Analysis

Date of Testing: 2024-12-27 18:49:54

Date of Next Testing: 2028-12-26 18:49:54

Product Name: **L-Leucic Acid**

CAS Number: 13748-90-8

Specifications & Purity: $\geq 98\%$

Lot #: L2419558

SKU #: **S161033**

Version: **0**

Analysis #: **442659**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Melting point	77-82 (°C)	81.90000 °C
Purity(Neutralization titration)	97.5-102.5 (%)	99.41 %
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in } 1N \text{ NaOH})$	-28--24 (°)	-24.29 °
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Appearance (S161033)	white to off-white powder to crystal	White to Off-White Powder to crystal



John Su
QA & QC Manager