

Certificate of Analysis

Date of Testing: 2023-03-17 17:44:40
Date of Next Testing: 2027-03-16 17:44:40
Product Name: **L-Isoleucine**
CAS Number: 73-32-5
Specifications & Purity: 99%
Lot #: C23111072
SKU #: **I103488**
Analysis: 187145
Storage Temperature: Desiccated

Parameter	Limit Values	Result
Purity(NonaqueousTitration)	98.5-101.5 (%)	99.57%
Purity(HPLC)	98-100 (%)	99.76300%
Specific Rotation [α] ₂₀ /D(c=4 in 6mol/L HCl)	38-43 (°)	41.30°
Appearance (I103488)	white powder or solid	white powder or solid
Solubility in 1 M NH ₄ OH , Colorless,Clear to Very Slightly Hazy,50 mg/mL	pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager