

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-05-12 11:17:53

Date of Next Testing: 2025-05-11 11:17:53

Product Name: **N-(tert-Butoxycarbonyl)-L-leucine methyl ester**

CAS Number: 63096-02-6

Specifications & Purity: $\geq 95\%$

Lot #: H2106088

SKU #: **I134397**

Version: **0**

Analysis #: **222484**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity(GC)	95-100 (%)	95.42300 %
Carbon by Elemental Analysis	56.7-60.8 (%)	58.16000 %
Specific Rotation $[\alpha]_{20/D}(c=\text{Neat})$	-19--17 (°)	-17.09700 °
Nitrogen by Elemental Analysis	5.5-5.9 (%)	5.51000 %
Appearance (I134397)	Colorless Liquid	Colorless liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager