

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-03-03 13:25:27

Date of Next Testing: 2026-03-02 13:25:27

Product Name: **D-Leucine Benzyl Ester p-Toluenesulfonate**

CAS Number: 17664-93-6

Specifications & Purity: $\geq 98\%$

Lot #: D2318164

SKU #: **L115809**

Version: **0**

Analysis #: **072687**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{20/D(c=2 \text{ in DMF})}$	-6--3 (°)	-3.99500 °
Purity(HPLC) (total of p-TS)	98-100 (%)	98.59100 %
Purity(Neutralization titration)	97.5-102.5 (%)	98.56000 %
Melting point	156-160 (°C)	156.01000 °C
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager