

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-05-17 09:22:00

Date of Next Testing: 2027-05-16 09:22:00

Product Name: **L-Valine benzyl ester p-toluenesulfonate salt**

CAS Number: 16652-76-9

Specifications & Purity: $\geq 98\%$

Lot #: E2308626

SKU #: **V105481**

Version: **0**

Analysis #: **224389**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Melting point	159-162 (°C)	159.31000 °C
Purity(HPLC)	98-100 (%)	98.71800 %
Specific Rotation $[\alpha]_{20/D}(c=3.2 \text{ in MeOH})$	-4.1~-3.5 (°)	-3.67100 °
Appearance (V105481)	Colorless or White Powder	Colorless or White Powder
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager