

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-03-20 15:45:24

Date of Next Testing: 2027-03-19 15:45:24

Product Name: **N-Cbz-L-threonine Benzyl Ester**

CAS Number: 16597-50-5

Specifications & Purity: $\geq 98\%$

Lot #: C2310818

SKU #: **B115977**

Version: **0**

Analysis #: **202154**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	98.08800 %
Specific Rotation $[\alpha]_{20/D}(c=8 \text{ in CHCL}_3)$	-13--9 (°)	-9.57500 °
Melting point	80-84 (°C)	80.01000 °C
Appearance (B115977)	White powder	White powder
Infrared spectrum	Conforms to Structure	Conforms to Structure

A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager