

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-05-31 09:46:31
 Date of Next Testing: 2027-05-30 09:46:31
 Product Name: **N-BOC-O-Benzyl-L-serine**
 CAS Number: 23680-31-1
 Specifications & Purity: $\geq 98\%$
 Lot #: E2325202
 SKU #: **B116727**
 Version: **0**
 Analysis #: **033118**
 Storage Temperature: Room temperature

Parameter	Limit Values	Result
Melting point	57-62 (°C)	57.43000 °C
Loss on drying	0-0.5 (%)	0.01000 %
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in EtOH})$	21-23 (°)	22.63200 °
Purity(HPLC)	98-100 (%)	98.15500 %
Appearance (B116727)	White powder	White powder
300 MHz NMR Spectrum 1H	Conforms to Structure	Conforms to Structure
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility, 50mg/ml EtOH	Clear colorless	Clear Colorless
Thin Layer Chromatography (TLC)	one spot	One spot



John Su
QA & QC Manager