

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-04-30 15:04:51
 Date of Next Testing: 2026-04-29 15:04:51
 Product Name: **N-(tert-Butoxycarbonyl)-L-serine**
 CAS Number: 3262-72-4
 Specifications & Purity: $\geq 98\%$, up to 10% water
 Lot #: D2227005
 SKU # **B406518**
 Version **1**
 Analysis #: **088518**
 Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Purity(Neutralization titration) (anhydrous)	98-100 (%)	99.24000 %
Water by Karl Fischer	0-12 (%)	11.85210 %
specific rotation $[\alpha]_{20/D(c=2 \text{ in acetic acid})}$	-4.5~-2.5 (°)	-2.93100 °
Appearance (B406518)	White powder or crystalline powder	White Powder or Crystalline Powder
Proton NMR spectrum	Conforms to structure	Conforms to Structure



John Su
QA & QC Manager