

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-12-21 14:42:42

Date of Next Testing: 2025-12-20 14:42:42

Product Name: (S)-(-)-Alpha-(Boc-amino)-gamma-butyrolactone

CAS Number: 40856-59-5

Specifications & Purity: $\geq 98\%$

Lot #: L2215834

SKU #: S184397

Version: 1

Analysis #: 156980

Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{20/D}(c=0.1 \text{ in MeOH})$	$-30.7 \sim -26.7^{\circ} \text{ (}^{\circ}\text{)}$	-30.18500°
Purity(HPLC area)	98-100 (%)	98.01000 %
Appearance(S184397)	White to off-white powder	White to Off-White Powder
NMR Spectrum 1H	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager