

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-06-30 14:59:09
 Date of Next Testing: 2026-06-29 14:59:09
 Product Name: **(R)-Butyryl Carnitine Chloride**
 CAS Number: 162067-50-7
 Specifications & Purity: $\geq 95\%$
 Lot #: F23271028
 SKU #: **R355659**
 Version: **1**
 Analysis #: **240777**
 Storage Temperature: Store at -20°C , Argon charged

Parameter	Limit Values	Result
Purity(HPLC area)	95-100 (%)	99.79200 %
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in H}_2\text{O})$	$-24 \sim -19$ ($^{\circ}$)	-20.84000°
NMR Spectrum ^1H	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager