

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-05-17 11:42:11
 Date of Next Testing: 2025-05-06 11:42:11
 Product Name: **(S)-5-(Bromomethyl)-2-pyrrolidinone**
 CAS Number: 72479-05-1
 Specifications & Purity: $\geq 96\%$
 Lot #: E2309445
 SKU #: **B102458**
 Version: **1**
 Analysis #: **188478**
 Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Purity(GC)	96-100 (%)	98.99200 %
Nitrogen by Elemental Analysis	7.5-8.2 (%)	7.85000 %
Carbon by Elemental Analysis	32.2-35.2 (%)	34.28000 %
Specific Rotation $[\alpha]_{20/D}(c=0.5 \text{ in EtOH})$	-35--25 (°)	-34.92000 °
Melting point	75-79 (°C)	75.75000 °C
Appearance (B102458)	white to brown crystals or powder	white to brown crystals or powder
NMR Spectrum ^1H	conforms to structure	Conforms to Structure



John Su
QA & QC Manager