

Certificate of Analysis

Date of Testing: 2024-11-05 10:25:03

Date of Next Testing: 2026-10-26 10:25:03

Product Name: (S)-5-(Bromomethyl)-2-pyrrolidinone

CAS Number: 72479-05-1

Specifications & Purity: ≥96%

Lot #: G1918110

SKU #: B102458

Version: 1

Analysis #: 430481

Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Specific Rotation [α] ₂₀ /D(c=0.5 in EtOH)	-35--25 (°)	-26.25 °
Purity(GC)	96-100 (%)	97.02 %
Melting point	75-79 (°C)	76.24800 °C
Nitrogen by Elemental Analysis	7.5-8.2 (%)	7.95 %
Carbon by Elemental Analysis	32.2-35.2 (%)	33.50 %
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