

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-10-23 16:35:29

Date of Next Testing: 2026-10-22 16:35:29

Product Name: (S)-4-Isobutylpyrrolidin-2-one

CAS Number: 181289-23-6

Specifications & Purity: $\geq 97\%$

Lot #: J2313617

SKU #: S587757

Version: 1

Analysis #: 280059

Storage Temperature: Store at 2-8°C, Desiccated

Parameter	Limit Values	Result
Purity(HPLC area)	97-100 (%)	97.34900 %
Specific Rotation $[\alpha]_{20/D}(c=0.5 \text{ in CHCL}_3)$	-3~-1 (°)	-1.01000 °
Appearance(S587757)	Colourless to Off-White Oil to Low-Melting Solid	Colourless to Off-White Oil to Low-Melting Solid
NMR Spectrum 1H	Conforms to structure	Conforms to Structure



John Su
QA & QC Manager