

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2026-07-15 11:14:37
 Date of Next Testing: 2029-07-14 11:14:37
 Product Name: (S)-4-Isobutylpyrrolidin-2-one
 CAS Number: 181289-23-6
 Specifications & Purity: $\geq 97\%$
 Lot #: J2313205
 SKU #: S587757
 Version: 1
 Analysis #: 737540
 Storage Temperature: Store at 2-8°C, Desiccated

Parameter	Limit Values	Result
Purity(HPLC area)	97-100 (%)	97.34700 %
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