

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-01-26 09:22:11

Date of Next Testing: 2026-01-25 09:22:11

Product Name: **(S)-2-Chloro-4-methylvaleric Acid**

CAS Number: 28659-81-6

Specifications & Purity: $\geq 97\%$ (T)

Lot #: E2304463

SKU #: **S161181**

Version: **0**

Analysis #: **070355**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{20/D}(c=\text{Neat})$	-35--32 (°)	-34.92000 °
Purity(Neutralization titration)	97-103 (%)	101.88000 %
Refractive index $n_{20/D}$	1.441-1.443	1.44240
Density (20°C)	1.092-1.096	1.09500
Purity(GC)	96-100 (%)	96.43600 %
Appearance (S161181)	Colorless to light yellow liquid	Colorless to light yellow liquid



John Su
QA & QC Manager