

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-02-21 16:17:55

Date of Next Testing: 2024-02-21 16:17:55

Product Name: **Ethyl (S)-(+)-2-pyrrolidone-5-carboxylate**

CAS Number: 7149-65-7

Specifications & Purity: $\geq 98\%$

Lot #: B2216246

SKU #: **E133568**

Version: **0**

Analysis #: **064431**

Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	98.51200 %
Specific Rotation $[\alpha]_{19/D}(c=10 \text{ in EtOH})$	3-4 (°)	3.30600 °
Appearance (E133568)	white to yellow powder, crystals, and/or chunks	white to yellow powder, crystals, and/or chunks
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager