

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-02-24 18:19:55
 Date of Next Testing: 2027-02-23 18:19:55
 Product Name: (S)-(+)-3-Fluoropyrrolidine hydrochloride
 CAS Number: 136725-53-6
 Specifications & Purity: $\geq 97\%$
 Lot #: B2322079
 SKU #: I167099
 Version: 0
 Analysis #: 181206
 Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Melting point	180.5-189.5 (°C)	183.07000 °C
Purity(Titration by AgNO ₃)	96.5-103.5 (%)	100.51000 %
Specific Rotation [α] _{20/D} (c=1 MeOH)	5-11	8.65700
Appearance (I167099)	White to Off white to pink to tan to purple powder or crystals or solid	White to Off white to pink to tan to purple powder or crystals or solid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager