

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-03-13 18:24:37
 Date of Next Testing: 2026-03-12 18:24:37
 Product Name: **4,4-Difluoro-L-prolinamide hydrochloride**
 CAS Number: 426844-51-1
 Specifications & Purity: $\geq 97\%$
 Lot #: C2302574
 SKU #: **D170309**
 Version: **1**
 Analysis #: **181566**
 Storage Temperature: Protected from light, Room temperature, Argon charged

Parameter	Limit Values	Result
Purity(Titration by AgNO ₃)	96.5-102.5 (%)	100.60000 %
specific rotation $[\alpha]_{20/D}(C=1 \text{ in water})$	-32 ~ -28 (°)	-29.79000 °
Proton NMR spectrum	Conforms to structure	Conforms to Structure
FNMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager