

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-10-22 10:17:56

Date of Next Testing: 2024-10-21 10:17:56

Product Name: **4 , 4-Difluoropiperidine hydrochloride**

CAS Number: 144230-52-4

Specifications & Purity: $\geq 98\%$

Lot #: J2217368

SKU # **D131742**

Version **1**

Analysis #: **111818**

Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Purity(Titration by AgNO ₃)	97.5-102.5 (%)	101.03000 %
Purity(GC)	98-100 (%)	99.32700 %
Appearance (D131742)	White to Tan Powder or Crystals	White to Tan Powder or Crystals
NMR Spectrum 1H	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager