

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-10-22 09:48:54
 Date of Next Testing: 2024-10-21 09:48:54
 Product Name: **4 , 4-Difluoropiperidine hydrochloride**
 CAS Number: 144230-52-4
 Specifications & Purity: $\geq 98\%$
 Lot #: J2217377
 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