

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-03-28 18:22:55  
Date of Next Testing: 2025-03-27 18:22:55  
Product Name: **4,5-Difluorophthalonitrile**  
CAS Number: 134450-56-9  
Specifications & Purity: >95.0%  
Lot #: C23151640  
SKU #: **D154529**  
**Analysis: 162900**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	95-100 (%)	98.81500 %
Melting point	112-116 (°C)	114.82000 °C
Appearance (D154529)	White to Light Yellow to Orange to Green Powder or Crystals	White to Light Yellow to Orange to Green Powder or Crystals
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager