

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-03-29 09:50:35
Date of Next Testing: 2025-03-28 09:50:35
Product Name: **4,5-Difluorophthalonitrile**
CAS Number: 134450-56-9
Specifications & Purity: >95.0%
Lot #: C23151671
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