

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-07-14 17:03:08  
Date of Next Testing: 2027-07-13 17:03:08  
Product Name: **2,3-Difluorophenylacetonitrile**  
CAS Number: 145689-34-5  
Specifications & Purity: 97%  
Lot #: G23111076  
SKU #: **D120838**  
Analysis: **190730**

Parameter	Limit Values	Result
Purity(GC)	97-100 (%)	99.59%
Refractive index n <sub>20</sub> /D	1.482-1.486	1.48
Density (20°C)	1.252-1.256	1.25
Appearance (D120838)	Colorless to Light orange to Yellow to Green to Brown liquid	Colorless to Light orange to Yellow to Green to Brown liquid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager