

## Certificate of Analysis

Date of Testing: 2024-11-23 09:56:54  
Date of Next Testing: 2027-11-23 09:56:54  
Product Name: **4,4-Difluoropiperidine**  
CAS Number: 21987-29-1  
Specifications & Purity:  $\geq 98\%$   
Lot #: K2421040  
SKU #: **D182863**  
Version: **1**  
Analysis #: **129636**  
Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Purity(GC)	98-100 (%)	99.69%
NMR Spectrum 1H	Conforms to Structure	Conforms to Structure
19F NMR Spectrum	Conforms to structure	Conforms to Structure



John Su  
QA & QC Manager