

## Certificate of Analysis

Date of Testing: 2025-08-13 16:10:38  
Date of Next Testing: 2028-08-12 16:10:38  
Product Name: **4,4-Difluoropiperidine**  
CAS Number: 21987-29-1  
Specifications & Purity:  $\geq 98\%$   
Lot #: J2226341  
SKU #: **D182863**  
Version: **1**  
Analysis #: **554396**  
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