

## Certificate of Analysis

Date of Testing: 2023-09-09 09:51:59  
Date of Next Testing: 2025-09-08 09:51:59  
Product Name: **Ethyl Difluoroacetate**  
CAS Number: 454-31-9  
Specifications & Purity: 97%  
Lot #: I2306433  
SKU #: **E101733**  
**Analysis:** **268527**  
Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Density (20°C)	1.176-1.181	1.18
Refractive index n <sub>20</sub> /D	1.345-1.348	1.35
Purity(GC)	97-100 (%)	99.55 %
Appearance (E101733)	Colorless Liquid	Colorless liquid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager