

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-01-20 14:41:09

Date of Next Testing: 2027-01-20 14:41:09

Product Name: **Ethyl 4,4,4-Trifluorobutyrate**

CAS Number: 371-26-6

Specifications & Purity:  $\geq 98\%$ (GC)

Lot #: D2312169

SKU # **E156461**

Version **0**

**Analysis #:** **465261**

Storage Temperature: Room temperature

| Parameter                           | Limit Values               | Result                     |
|-------------------------------------|----------------------------|----------------------------|
| Refractive index n <sub>20</sub> /D | 1.32-1.354                 | 1.35100                    |
| Purity(GC)                          | 98-100 (%)                 | 98.20000 %                 |
| Density (20°C)                      | 1.161-1.168                | 1.16200                    |
| Appearance (E156461)                | Colorless to Yellow Liquid | Colorless to Yellow Liquid |
| Proton NMR spectrum                 | Conforms to Structure      | Conforms to Structure      |



John Su  
QA & QC Manager