

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-08-07 15:05:15  
 Date of Next Testing: 2027-08-07 15:05:15  
 Product Name: **Trifluoroacetic acid (TFA)**  
 CAS Number: 76-05-1  
 Specifications & Purity: AR, ≥99%  
 Lot #: H2506140  
 SKU #: **T103291**  
 Version: **5**  
 Analysis #: **549636**  
 Storage Temperature: Room temperature, Argon charged, Desiccated, Cool

| Parameter                           | Limit Values          | Result                |
|-------------------------------------|-----------------------|-----------------------|
| Purity (Titration by NaOH)          | 98.5-101.5 (%)        | 99.52000 %            |
| Density (20°C)                      | 1.491-1.495           | 1.49280               |
| Water by Karl Fischer               | 0-0.1 (%)             | 0.06190 %             |
| pH                                  | 1-3                   | 2.00000               |
| Refractive index n <sub>20</sub> /D | 1.283-1.3             | 1.28350               |
| Appearance (T103291)                | Colorless Liquid      | Colorless liquid      |
| Infrared spectrum                   | Conforms to Structure | Conforms to Structure |



John Su  
QA & QC Manager