

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-01-31 14:50:25  
Date of Next Testing: 2025-01-30 14:50:25  
Product Name: **Trifluoroacetic acid (TFA)**  
CAS Number: 76-05-1  
Specifications & Purity: for HPLC,  $\geq 99.5\%$   
Lot #: A2429074  
SKU #: **T103294**  
**Analysis:** **316957**  
Storage Temperature: Argon charged

| Parameter                  | Limit Values          | Result                |
|----------------------------|-----------------------|-----------------------|
| Evaporation Residue        | 0-0.005 (%)           | 0.00 %                |
| Purity (Titration by NaOH) | 99.5-100 (%)          | 99.90 %               |
| UV Absorbance 280nm        | 0-0.05                | 0.03                  |
| UV Absorbance 320nm        | 0-0.025               | 0.01                  |
| Purity(GC)                 | 99.5-100 (%)          | 99.84 %               |
| UV Absorbance 300nm        | 0-0.03                | 0.02                  |
| Water by Karl Fischer      | 0-0.05 (%)            | 0.01 %                |
| UV Absorbance 270nm        | 0-0.1                 | 0.01                  |
| UV Absorbance 260nm        | 0-0.9                 | 0.78                  |
| UV Absorbance 290nm        | 0-0.04                | 0.02                  |
| Appearance (T103294)       | Colorless Liquid      | Colorless liquid      |
| Infrared spectrum          | Conforms to Structure | Conforms to Structure |



John Su  
QA & QC Manager