

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-04-26 11:22:54
Date of Next Testing: 2025-04-26 11:22:54
Product Name: **Trifluoroacetic acid (TFA)**
CAS Number: 76-05-1
Specifications & Purity: for HPLC, $\geq 99.5\%$
Lot #: D2423487
SKU #: **T103294**
Analysis: 343090
Storage Temperature: Argon charged

| Parameter | Limit Values | Result |
|----------------------------|-----------------------|-----------------------|
| Evaporation Residue | 0-0.005 (%) | 0.00 % |
| Purity (Titration by NaOH) | 99.5-100 (%) | 99.57 % |
| UV Absorbance 280nm | 0-0.05 | 0.00 |
| UV Absorbance 320nm | 0-0.025 | 0.00 |
| Purity(GC) | 99.5-100 (%) | 99.79 % |
| UV Absorbance 300nm | 0-0.03 | 0.00 |
| Water by Karl Fischer | 0-0.05 (%) | 0.00 % |
| UV Absorbance 270nm | 0-0.1 | 0.03 |
| UV Absorbance 260nm | 0-0.9 | 0.77 |
| UV Absorbance 290nm | 0-0.04 | 0.00 |
| Appearance (T103294) | Colorless Liquid | Colorless liquid |
| Infrared spectrum | Conforms to Structure | Conforms to Structure |



John Su
QA & QC Manager