

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-10-20 14:30:58  
Date of Next Testing: 2026-10-20 14:30:58  
Product Name: **Trifluoroacetic acid (TFA)**  
CAS Number: 76-05-1  
Specifications & Purity: HPLC grade,  $\geq 99.5\%$   
Lot #: A2507716  
SKU #: **T103294**  
Version: **3**  
Analysis #: **589027**  
Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Evaporation Residue	0-0.005 (%)	0.00000 %
Purity (Titration by NaOH)	99.5-100 (%)	99.70000 %
UV Absorbance 280nm	0-0.05	0.01680
UV Absorbance 320nm	0-0.025	0.00670
Purity(GC)	99.5-100 (%)	99.82000 %
UV Absorbance 300nm	0-0.03	0.00100
Water by Karl Fischer	0-0.05 (%)	0.03900 %
Absorbance (at 270 nm)	0-0.1	0.06000
UV Absorbance 260nm	0-0.9	0.77000
Absorbance (at 290 nm)	0-0.04	0.01300
Appearance (T103294)	Colorless Liquid	Colorless liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager