

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2026-01-29 10:25:32  
Date of Next Testing: 2028-01-29 10:25:32  
Product Name: **Trifluoroacetic acid (TFA)**  
CAS Number: 76-05-1  
Specifications & Purity: AR, ≥99%  
Lot #: A2627230  
SKU #: **T103291**  
Version: **5**  
Analysis #: **643714**  
Storage Temperature: Room temperature, Argon charged, Desiccated, Cool

Parameter	Limit Values	Result
Purity (Titration by NaOH)	98.5-101.5 (%)	99.26000 %
Density (20°C)	1.491-1.495	1.49280
Water by Karl Fischer	0-0.1 (%)	0.02390 %
Refractive index n <sub>20</sub> /D	1.283-1.3	1.28350
pH	1-3	1.00000
Appearance (T103291)	Colorless Liquid	Colorless liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager