

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-10-18 13:41:09

Date of Next Testing: 2025-10-17 13:41:09

Product Name: **Trifluoroacetic acid(TFA)**

CAS Number: 76-05-1

Specifications & Purity: AR, ≥99%

Lot #: J2325013

SKU #: **T103291**

Version: **5**

Analysis #: **286787**

Storage Temperature: Room temperature,Argon charged,Desiccated,Cool

Parameter	Limit Values	Result
Purity (Titration by NaOH)	98.5-101.5 (%)	99.89000 %
Density (20°C)	1.491-1.495	1.49300
Water by Karl Fischer	0-0.1 (%)	0.06000 %
Refractive index n <sub>20</sub> /D	1.283-1.3	1.28600
pH	1-3	1.90000
Appearance (T103291)	Colorless Liquid	Colorless liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager