

Certificate of Analysis

Date of Testing: 2025-09-12 10:50:00

Date of Next Testing: 2026-09-12 10:50:00

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

CAS Number: 76-05-1

Specifications & Purity: HPLC grade, ≥99.5%

Lot #: I2504870

SKU #: **T103294**

Version: **3**

Analysis #: **563184**

Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Evaporation Residue	0-0.005 (%)	0.00 %
UV Absorbance 280nm	0-0.05	0.02
UV Absorbance 320nm	0-0.025	0.01
UV Absorbance 300nm	0-0.03	0.01
Water by Karl Fischer	0-0.05 (%)	0.04 %
Absorbance (at 270 nm)	0-0.1	0.07
Absorbance (at 290 nm)	0-0.04	0.02
Purity (Titration by NaOH)	99.5-100 (%)	99.73 %
Purity(GC)	99.5-100 (%)	99.67 %
UV Absorbance 260nm	0-0.9	0.88
Appearance (T103294)	Colorless Liquid	Colorless liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager