

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing:	2024-09-14 16:11:42
Date of Next Testing:	2025-09-14 16:11:42
Product Name:	Trifluoroacetic acid
CAS Number:	76-05-1
Specifications & Purity:	UltraPureChrom™, for LC-MS, 0.1% in Acetonitrile
Lot #:	I2413066
SKU #	T298812
Version	0
Analysis #:	313557
Storage Temperature:	Argon charged

Parameter	Limit Values	Result
Assay (V / V) Trifluoroacetic acid	0.095-0.105 (%)	0.10 %
Potassium(K)	0-50 (ppb)	3.00 ppb
Zinc(Zn)	0-20 (ppb)	2.00 ppb
Magnesium(Mg)	0-30 (ppb)	0.60 ppb
Water	0-0.01 (%)	0.01 %
Calcium(Ca)	0-50 (ppb)	0.10 ppb
Iron(Fe)	0-25 (ppb)	0.11 ppb
Evaporation Residue	0-1 (ppm)	0.55 ppm
Lead(Pb)	0-10 (ppb)	0.01 ppb
Manganese(Mn)	0-10 (ppb)	0.00 ppb
Sodium(Na)	0-50 (ppb)	11.00 ppb
Copper(Cu)	0-10 (ppb)	0.01 ppb
Aluminum(Al)	0-30 (ppb)	0.04 ppb
Nickel(Ni)	0-10 (ppb)	0.00 ppb
Silver(Ag)	0-10 (ppb)	0.01 ppb
HPLC-UV gradient suitability PDA (200-400 nm)	0-2 (mAU)	1.20 mAU
LC-MS gradient suitability	0-50 (ppb)	30.10 ppb
Absorbance at 210 nm	0-0.6	0.30
Absorbance at 220 nm	0-0.55	0.34
Absorbance at 230 nm	0-0.4	0.20
Absorbance at 254 nm	0-0.03	0.02
Appearance (T298812)	Clear Colorless Liquid	Clear Colorless Liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure



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A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager