

Certificate of Analysis

Date of Testing: 2022-10-29 16:49:39

Date of Next Testing: 2024-10-18 16:49:39

Product Name: **2,2,2-Trifluoroethanol**

CAS Number: 75-89-8

Specifications & Purity: Molecular biology grade, 99.8%

Lot #: J2228154

SKU #: **T109511**

Analysis: **150448**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
UV Absorbance 280nm	0-0.02	0.01
Sodium(Na)	0-1 (ppm)	0.05 ppm
Cadmium(Cd)	0-0.05 (ppm)	0.03 ppm
Copper(Cu)	0-0.02 (ppm)	0.01 ppm
Strontium(Sr)	0-0.1 (ppm)	0.07 ppm
Chromium(Cr)	0-0.02 (ppm)	0.02 ppm
Zinc(Zn)	0-0.1 (ppm)	0.08 ppm
(Pb)Lead	0-0.1 (ppm)	0.03 ppm
Calcium(Ca)	0-0.5 (ppm)	0.40 ppm
Cobalt(Co)	0-0.02 (ppm)	0.02 ppm
Iron(Fe)	0-0.1 (ppm)	0.09 ppm
Potassium(K)	0-0.5 (ppm)	0.06 ppm
Manganese(Mn)	0-0.02 (ppm)	0.02 ppm
Barium(Ba)	0-0.1 (ppm)	0.06 ppm
Aluminum(Al)	0-0.5 (ppm)	0.50 ppm
Purity(GC)	99-100 (%)	99.96 %
Lithium(Li)	0-0.1 (ppm)	0.04 ppm
UV Absorbance 260nm	0-0.02	0.02
Magnesium(Mg)	0-0.1 (ppm)	0.10 ppm
Bismuth(Bi)	0-0.1 (ppm)	0.02 ppm
Molybdenum(Mo)	0-0.1 (ppm)	0.05 ppm
Appearance (T109511)	Colorless Liquid	Colorless liquid
DNases	none detected	none detected
Insoluble matter	pass	Pass
phosphatases	none detected	none detected
proteases	none detected	none detected



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Parameter	Limit Values	Result
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
RNases	none detected	none detected
λ ,neat	Pass	Pass

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

John Su
QA & QC Manager