

Certificate of Analysis

Date of Testing: 2024-12-20 09:59:11

Date of Next Testing: 2026-12-10 09:59:11

Product Name: **Tetraethylammonium chloride**

CAS Number: 56-34-8

Specifications & Purity: for molecular biology, ≥99%(AT)

Lot #: C23201163

SKU #: **T118838**

Version: **0**

Analysis #: **452540**

Storage Temperature: Desiccated

Parameter	Limit Values	Result
Purity	99-100 (%)	99.10 %
Cobalt(Co)	0-5 (ppm)	0.00 ppm
Bismuth(Bi)	0-5 (ppm)	0.00 ppm
Manganese(Mn)	0-5 (ppm)	0.00 ppm
(As)Arsenic	0-0.1 (ppm)	0.00 ppm
Barium(Ba)	0-5 (ppm)	0.00 ppm
Potassium(K)	0-50 (ppm)	1.00 ppm
UV Absorbance 260nm	0-0.03	0.01
(Br)Bromide	0-500 (ppm)	1.03 ppm
Lithium(Li)	0-5 (ppm)	0.00 ppm
Chromium(Cr)	0-5 (ppm)	0.00 ppm
Strontium(Sr)	0-5 (ppm)	0.00 ppm
Sulfate(SO42-)	0-50 (ppm)	2.04 ppm
Molybdenum(Mo)	0-5 (ppm)	0.00 ppm
Calcium(Ca)	0-10 (ppm)	1.02 ppm
(Pb)Lead	0-5 (ppm)	0.00 ppm
Zinc(Zn)	0-5 (ppm)	0.00 ppm
Nickel(Ni)	0-5 (ppm)	0.00 ppm
UV Absorbance 280nm	0-0.03	0.01
Copper(Cu)	0-5 (ppm)	0.00 ppm
Magnesium(Mg)	0-5 (ppm)	0.00 ppm
Iron(Fe)	0-5 (ppm)	0.00 ppm
Cadmium(Cd)	0-5 (ppm)	0.00 ppm
Aluminum(Al)	0-5 (ppm)	0.00 ppm
Sodium(Na)	0-50 (ppm)	1.04 ppm

Parameter	Limit Values	Result
Appearance (T118838)	White or light yellow powder	White or light yellow powder
DNases	none detected	none detected
Insoluble matter	pass	Pass
phosphatases	none detected	none detected
proteases	none detected	none detected
RNases	none detected	none detected
Solubility in H ₂ O , complete colorless (1m in water , 20 °C)	pass	Pass
λ,1 M in H ₂ O	Pass	Pass

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

John Su
QA & QC Manager