

Certificate of Analysis

Date of Testing: 2024-04-07 15:53:54

Date of Next Testing: 2026-03-28 15:53:54

Product Name: **Tetraethylammonium chloride**

CAS Number: 56-34-8

Specifications & Purity: Molecular Biology grade , $\geq 99.0\%$ (AT)

Lot #: F2228606

SKU #: **T118838**

Analysis: **339698**

Storage Temperature: Desiccated

Parameter	Limit Values	Result
Purity	99-100 (%)	99.98 %
Cobalt(Co)	0-5 (ppm)	0.04 ppm
Bismuth(Bi)	0-5 (ppm)	0.00 ppm
Manganese(Mn)	0-5 (ppm)	0.01 ppm
(As)Arsenic	0-0.1 (ppm)	0.09 ppm
Barium(Ba)	0-5 (ppm)	0.00 ppm
Potassium(K)	0-50 (ppm)	0.00 ppm
UV Absorbance 260nm	0-0.03	0.02
(Br)Bromide	0-500 (ppm)	250.00 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(SO ₄ ²⁻)	0-50 (ppm)	26.00 ppm
Molybdenum(Mo)	0-5 (ppm)	0.00 ppm
Calcium(Ca)	0-10 (ppm)	0.00 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)	0.01 ppm
Iron(Fe)	0-5 (ppm)	2.50 ppm
Cadmium(Cd)	0-5 (ppm)	0.00 ppm
Aluminum(Al)	0-5 (ppm)	0.00 ppm
Sodium(Na)	0-50 (ppm)	0.00 ppm
Appearance (T118838)	White or light yellow powder	White or light yellow powder

ALADDIN SCIENTIFIC CORPORATION

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Parameter	Limit Values	Result
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