

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-05-31 10:12:00
 Date of Next Testing: 2026-05-30 10:12:00
 Product Name: **Tetramethylammonium chloride(TMACI)**
 CAS Number: 75-57-0
 Specifications & Purity: Suitable for molecular biology, ≥99%(AT)
 Lot #: C2223438
 SKU #: **T139946**
 Version: **1**
 Analysis #: **080282**
 Storage Temperature: Room temperature,Desiccated

Parameter	Limit Values	Result
Strontium(Sr)	0-5 (ppm)	0.00000 ppm
UV Absorbance 260nm	0-0.02	0.00800
Chromium (ICP)	0-5 (ppm)	0.00000 ppm
Sodium(ICP)	0-50 (ppm)	2.00000 ppm
Arsenic traces(MHS-AAS)	0-0.1 (ppm)	0.00000 ppm
Cobalt(ICP)	0-5 (ppm)	0.00000 ppm
Total sulfur as SO4 (ICP)	0-50 (ppm)	11.00000 ppm
Copper(ICP)	0-5 (ppm)	0.00000 ppm
Potassium(K)(ICP)	0-50 (ppm)	2.00000 ppm
Magnesium(Mg)	0-5 (ppm)	0.00000 ppm
Lithium (ICP)	0-5 (ppm)	0.00000 ppm
Barium (ICP)	0-5 (ppm)	0.00000 ppm
Zinc(ICP)	0-5 (ppm)	0.00000 ppm
Calcium(Ca)	0-10 (ppm)	0.00000 ppm
Manganese(ICP)	0-5 (ppm)	0.00000 ppm
Nickel(ICP)	0-5 (ppm)	0.00000 ppm
Iron(ICP)	0-5 (ppm)	0.00000 ppm
Molybdenum (ICP)	0-5 (ppm)	0.00000 ppm
UV Absorbance 280nm	0-0.02	0.00400
Cadmium(Cd)	0-5 (ppm)	0.00000 ppm
Bismuth (ICP)	0-5 (ppm)	0.00000 ppm
Lead (ICP)	0-5 (ppm)	0.00000 ppm
Dimethyl Sulfoxide(NMR)	0-5 (ppm)	0.00000 ppm
(Br)Bromide	0-500 (ppm)	0.00000 ppm
Purity(Titration by AgNO3)	99-101 (%)	100.03000 %

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Parameter

Appearance (T139946)

DNase, RNase, Protease, Phosphatase

Proton NMR spectrum

Residue (filter test)

Solubility in H₂O , Colorless Clear (<3.5 NTU), 6.57g in pass
10ml water

Limit Values

Colorless or White Powder or
Crystals

None Detected

Conforms to Structure

no residue

Result

Colorless or White Powder or
Crystals

none detected

Conforms to Structure

no residue

Pass

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

John Su
QA & QC Manager