

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-03-04 15:39:03

Date of Next Testing: 2027-03-03 15:39:03

Product Name: **Tetramethylammonium chloride(TMACI)**

CAS Number: 75-57-0

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

Lot #: B2320644

SKU #: **T139946**

Version: **1**

Analysis #: **180889**

Storage Temperature: Room temperature,Desiccated

Parameter	Limit Values	Result
Strontium(Sr)	0-5 (ppm)	0.00000 ppm
UV Absorbance 260nm	0-0.02	0.02000
Chromium (ICP)	0-5 (ppm)	0.00000 ppm
Sodium(ICP)	0-50 (ppm)	0.00000 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)	44.00000 ppm
Copper(ICP)	0-5 (ppm)	0.00000 ppm
Potassium(K)(ICP)	0-50 (ppm)	0.00000 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	0.00500
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 (%)	100.28000 %

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Parameter	Limit Values	Result
Appearance (T139946)	Colorless or White Powder or Crystals	Colorless or White Powder or Crystals
DNase, RNase, Protease, Phosphatase	None Detected	none detected
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in H ₂ O , Colorless Clear (<3.5 NTU), 6.57g in pass 10ml water		Pass
Residue (filter test)	no residue	no residue

A handwritten signature in black ink that reads "John Su".John Su
QA & QC Manager