

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-12-23 13:45:23

Date of Next Testing: 2029-12-22 13:45:23

Product Name: **Tetramethylammonium hydroxide (TMAH)**

CAS Number: 75-59-2

Specifications & Purity: electronic grade, 20% aqueous solution

Lot #: L2517500

SKU #: **T1492626**

Version: **1**

Analysis #: **595574**

Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Chloride (Cl-)	0-0.1 (ppm)	0.00000 ppm
Lithium(Li)	0-5 (ppb)	0.00000 ppb
Sodium(Na)	0-10 (ppb)	0.00000 ppb
Magnesium(Mg)	0-5 (ppb)	0.00000 ppb
Aluminium(Al)	0-10 (ppb)	0.00000 ppb
Potassium(K)	0-10 (ppb)	0.00000 ppb
Calcium(Ca)	0-10 (ppb)	0.00000 ppb
Chromium(Cr)	0-5 (ppb)	0.00000 ppb
Manganese(Mn)	0-5 (ppb)	0.00000 ppb
Iron(Fe)	0-5 (ppb)	0.00000 ppb
Nickel(Ni)	0-5 (ppb)	0.00000 ppb
Copper(Cu)	0-5 (ppb)	0.00000 ppb
Zinc(Zn)	0-5 (ppb)	0.00000 ppb
Molybdenum(Mo)	0-5 (ppb)	1.46500 ppb
Silver(Ag)	0-5 (ppb)	0.00000 ppb
Cadmium(Cd)	0-5 (ppb)	0.00000 ppb
Lead(Pb)	0-5 (ppb)	0.70000 ppb
Concentration(Titration by 1M HCL)	19-20 (%)	19.98000 %
carbonate (CO ₃ ²⁻)	0-60 (ppm)	55.00000 ppm
Methanol(CH ₃ OH)	0-40 (ppm)	10.00000 ppm
Cobalt(Co)	0-5 (ppb)	5.00000 ppb
Appearance(T1492626)	Colorless to light yellow liquid or viscous liquid	Colorless to light yellow liquid or viscous liquid
NMR Spectrum 1H	Conforms to Structure	Conforms to Structure



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Parameter	Limit Values	Result
Solvent (H ₂ O)	Conform	Conform

A handwritten signature in black ink that reads "John Su". The signature is written in a cursive, flowing style.

John Su
QA & QC Manager