

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-12-23 13:26:53

Date of Next Testing: 2029-12-22 13:26:53

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

CAS Number: 75-59-2

Specifications & Purity: electronic grade, 20% aqueous solution

Lot #: L2517509

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".

John Su
QA & QC Manager