

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-12-13 11:51:42
 Date of Next Testing: 2029-12-12 11:51:42
 Product Name: **Tetramethylammonium hydroxide (TMAH)**
 CAS Number: 75-59-2
 Specifications & Purity: electronic grade, UPSS, 2.38% aqueous solution
 Lot #: L2511488
 SKU #: **T1492629**
 Version: **1**
 Analysis #: **616081**
 Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Concentration	2.377-2.383 (%)	2.38000 %
carbonate (CO ₃ ²⁻)	0-30 (ppm)	5.00000 ppm
Chloride (Cl ⁻)	0-0.1 (ppm)	0.00500 ppm
Methanol(CH ₃ OH)	0-10 (ppm)	2.50000 ppm
Lithium(Li)	0-0.1 (ppb)	0.00600 ppb
Sodium(Na)	0-0.1 (ppb)	0.02000 ppb
Magnesium(Mg)	0-0.1 (ppb)	0.01000 ppb
Aluminium(Al)	0-0.1 (ppb)	0.00500 ppb
Potassium(K)	0-0.1 (ppb)	0.01000 ppb
Calcium(Ca)	0-0.1 (ppb)	0.06000 ppb
Chromium(Cr)	0-0.1 (ppb)	0.00690 ppb
Manganese(Mn)	0-0.1 (ppb)	0.00410 ppb
Iron(Fe)	0-0.1 (ppb)	0.03000 ppb
Cobalt(Co)	0-0.1 (ppb)	0.00700 ppb
Nickel(Ni)	0-0.1 (ppb)	0.01000 ppb
Copper(Cu)	0-0.1 (ppb)	0.00720 ppb
Zinc(Zn)	0-0.1 (ppb)	0.01000 ppb
Molybdenum(Mo)	0-0.1 (ppb)	0.00925 ppb
Silver(Ag)	0-0.1 (ppb)	0.00652 ppb
Cadmium(Cd)	0-0.1 (ppb)	0.00850 ppb
Lead(Pb)	0-0.1 (ppb)	0.00740 ppb
NMR Spectrum 1H	Conforms to Structure	Conforms to Structure
Appearance(T1492629)	Colorless to light yellow liquid or viscous liquid	Colorless to light yellow liquid or viscous liquid
Solvent(H ₂ O)	Conform	Conform



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

John Su
QA & QC Manager