

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-01-20 13:49:38  
Date of Next Testing: 2026-01-19 13:49:38  
Product Name: **Tetraethylammonium hydroxide**  
CAS Number: 77-98-5(water)  
Specifications & Purity: Analytical Reagent,25% in water  
Lot #: A2218338  
SKU #: **T102754**  
**Analysis:** **061262**  
Storage Temperature: Argon charged

| Parameter                | Limit Values                     | Result                           |
|--------------------------|----------------------------------|----------------------------------|
| Calcium(Ca)              | 0-5 (ppm)                        | 3.00 ppm                         |
| Magnesium(Mg)            | 0-5 (ppm)                        | 2.50 ppm                         |
| Iron(Fe)                 | 0-5 (ppm)                        | 2.80 ppm                         |
| Purity(Titration by HCl) | 24-26 (%)                        | 25.56 %                          |
| Water by Karl Fischer    | 70-80 (%)                        | 76.29 %                          |
| Chloride (Cl-)           | 0-0.2 (%)                        | 0.10 %                           |
| Appearance (T102754)     | Colorless to light yellow liquid | Colorless to light yellow liquid |
| Proton NMR spectrum      | Conforms to Structure            | Conforms to Structure            |



John Su  
QA & QC Manager