

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2026-04-30 14:22:49  
 Date of Next Testing: 2028-04-19 14:22:49  
 Product Name: **Tetraethylammonium chloride(TEAC)**  
 CAS Number: 56-34-8  
 Specifications & Purity: Suitable for molecular biology, ≥99%(AT)  
 Lot #: D2629162  
 SKU #: **T118838**  
 Version: **0**  
 Analysis #: **697356**  
 Storage Temperature: Room temperature, Desiccated

| Parameter           | Limit Values | Result      |
|---------------------|--------------|-------------|
| Cobalt(Co)          | 0-5 (ppm)    | 0.00000 ppm |
| Bismuth(Bi)         | 0-5 (ppm)    | 0.00000 ppm |
| Manganese(Mn)       | 0-5 (ppm)    | 0.00000 ppm |
| (As)Arsenic         | 0-0.1 (ppm)  | 0.00000 ppm |
| Barium(Ba)          | 0-5 (ppm)    | 0.00000 ppm |
| Potassium(K)        | 0-50 (ppm)   | 7.00000 ppm |
| (Br)Bromide         | 0-500 (ppm)  | 0.32500 ppm |
| Lithium(Li)         | 0-5 (ppm)    | 0.00000 ppm |
| Chromium(Cr)        | 0-5 (ppm)    | 0.00000 ppm |
| Strontium(Sr)       | 0-5 (ppm)    | 0.00000 ppm |
| Sulfate(SO42-)      | 0-50 (ppm)   | 0.05250 ppm |
| Molybdenum(Mo)      | 0-5 (ppm)    | 0.00000 ppm |
| Calcium(Ca)         | 0-10 (ppm)   | 0.00000 ppm |
| (Pb)Lead            | 0-5 (ppm)    | 0.00000 ppm |
| Zinc(Zn)            | 0-5 (ppm)    | 0.00000 ppm |
| Nickel(Ni)          | 0-5 (ppm)    | 0.00000 ppm |
| UV Absorbance 280nm | 0-0.03       | 0.00300     |
| Copper(Cu)          | 0-5 (ppm)    | 0.00000 ppm |
| Magnesium(Mg)       | 0-5 (ppm)    | 0.00000 ppm |
| Iron(Fe)            | 0-5 (ppm)    | 0.00000 ppm |
| Cadmium(Cd)         | 0-5 (ppm)    | 0.00000 ppm |
| Aluminum(Al)        | 0-5 (ppm)    | 0.00000 ppm |
| Sodium(Na)          | 0-50 (ppm)   | 9.00000 ppm |
| UV Absorbance 260nm | 0-0.03       | 0.01100     |
| Purity              | 99-100 (%)   | 99.78000 %  |

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| Parameter                                                                 | Limit Values                 | Result                       |
|---------------------------------------------------------------------------|------------------------------|------------------------------|
| Appearance (T118838)                                                      | White or light yellow powder | White or light yellow powder |
| DNases                                                                    | none detected                | none detected                |
| Insoluble matter                                                          | pass                         | Pass                         |
| phosphatases                                                              | none detected                | none detected                |
| proteases                                                                 | none detected                | none detected                |
| RNases                                                                    | none detected                | none detected                |
| Solubility in H <sub>2</sub> O , complete colorless (1m in water , 20 °C) | pass                         | Pass                         |
| λ,1 M in H <sub>2</sub> O                                                 | Pass                         | Pass                         |

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