

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2026-02-25 18:54:46  
 Date of Next Testing: 2030-02-24 18:54:46  
 Product Name: **Tris(hydroxymethyl)aminomethane hydrochloride**  
 CAS Number: 1185-53-1  
 Specifications & Purity: Reagent grade, ≥99%  
 Lot #: B2603481  
 SKU #: **T105287**  
 Version: **0**  
 Analysis #: **635831**  
 Storage Temperature: Room temperature, Argon charged, Desiccated, Cool

| Parameter                                                           | Limit Values             | Result                   |
|---------------------------------------------------------------------|--------------------------|--------------------------|
| Purity (Titration by NaOH)                                          | 99-100 (%)               | 99.36000 %               |
| Heavy metal (as Pb)                                                 | 0-5 (ppm)                | 0.00000 ppm              |
| Water by Karl Fischer                                               | 0-1 (%)                  | 0.12310 %                |
| Appearance (T105287)                                                | white crystalline powder | white crystalline powder |
| Solubility, Colorless, Clear, 200 g plus 300 ml of H <sub>2</sub> O | pass                     | Pass                     |
| Proton NMR spectrum                                                 | Conforms to Structure    | Conforms to Structure    |
| Infrared spectrum                                                   | Conforms to Structure    | Conforms to Structure    |



John Su  
QA & QC Manager