

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-03-12 17:39:49  
 Date of Next Testing: 2029-03-11 17:39:49  
 Product Name: **N,N,N',N'-Tetrakis(2-hydroxypropyl)ethylenediamine**  
 CAS Number: 102-60-3  
 Specifications & Purity:  $\geq 98\%$   
 Lot #: C2510323  
 SKU #: **T121820**  
 Version: **0**  
 Analysis #: **476754**  
 Storage Temperature: Room temperature, Argon charged

| Parameter                               | Limit Values                                         | Result                                               |
|-----------------------------------------|------------------------------------------------------|------------------------------------------------------|
| Refractive index n <sub>20/D</sub>      | 1.479-1.482                                          | 1.48020                                              |
| Purity(Titration by HClO <sub>4</sub> ) | 97.5-102.5 (%)                                       | 100.37000 %                                          |
| Appearance (T121820)                    | Colorless to Yellow to Almost colorless clear liquid | Colorless to Yellow to Almost colorless clear liquid |
| Infrared spectrum                       | Conforms to Structure                                | Conforms to Structure                                |
| Proton NMR spectrum                     | Conforms to Structure                                | Conforms to Structure                                |



John Su  
QA & QC Manager