

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2026-05-21 15:47:00  
 Date of Next Testing: 2029-05-20 15:47:00  
 Product Name: **N,N,N',N'-Tetrakis(2-hydroxyethyl)ethylenediamine**  
 CAS Number: 140-07-8  
 Specifications & Purity:  $\geq 50\%$   
 Lot #: E2609537  
 SKU #: **N159677**  
 Version: **2**  
 Analysis #: **712445**  
 Storage Temperature: Room temperature, Argon charged

| Parameter                              | Limit Values                       | Result                             |
|----------------------------------------|------------------------------------|------------------------------------|
| Refractive index n <sub>20/D</sub>     | 1.497-1.507                        | 1.50290                            |
| Assay(Titration by HClO <sub>4</sub> ) | 49.5-100.5 (%)                     | 99.59000 %                         |
| Appearance (N159677)                   | Colorless to Yellow Viscous Liquid | Colorless to Yellow Viscous Liquid |
| Infrared spectrum                      | Conforms to Structure              | Conforms to Structure              |



John Su  
QA & QC Manager