

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-10-21 18:15:51  
Date of Next Testing: 2026-10-20 18:15:51  
Product Name: **2,2'-Oxybis(ethylamine)**  
CAS Number: 2752-17-2  
Specifications & Purity: >98.0%(GC)  
Lot #: J2219655  
SKU #: **O160013**  
**Analysis:** **147353**  
Storage Temperature: Argon charged

| Parameter                           | Limit Values          | Result                |
|-------------------------------------|-----------------------|-----------------------|
| Refractive index n <sub>20</sub> /D | 1.455-1.458           | 1.46                  |
| Purity(NonaqueousTitration)         | 97.5-102.5 (%)        | 100.52 %              |
| Purity(GC)                          | 98-100 (%)            | 98.46 %               |
| Density (20°C)                      | 0.972-0.98            | 0.98                  |
| Appearance (O160013)                | Colorless liquid      | Colorless liquid      |
| Proton NMR spectrum                 | Conforms to Structure | Conforms to Structure |



John Su  
QA & QC Manager