

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2021-12-21 10:18:16

Date of Next Testing: 2025-12-20 10:18:16

Product Name: **N-(2-Hydroxyethyl)ethylenediamine**

CAS Number: 111-41-1

Specifications & Purity:  $\geq 99\%$

Lot #: L2116557

SKU #: **H100512**

Version: **1**

**Analysis #:** **054363**

Storage Temperature: Room temperature, Argon charged

| Parameter                               | Limit Values             | Result                   |
|-----------------------------------------|--------------------------|--------------------------|
| Refractive index n <sub>20</sub> /D     | 1.483-1.488              | 1.48630                  |
| Purity(Titration by HClO <sub>4</sub> ) | 98.5-101.5 (%)           | 99.63000 %               |
| Density (20°C)                          | 1.028-1.033              | 1.03290                  |
| Purity(GC)                              | 99-100 (%)               | 99.54700 %               |
| Appearance (H100512)                    | colorless viscous liquid | colorless viscous liquid |
| Infrared spectrum                       | Conforms to Structure    | Conforms to Structure    |



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QA & QC Manager