

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-06-17 16:14:14

Date of Next Testing: 2026-06-16 16:14:14

Product Name: **N-(3-Hydroxypropyl)ethylenediamine**

CAS Number: 56344-32-2

Specifications & Purity:  $\geq 97\%$ (GC)

Lot #: F2214423

SKU #: **N159094**

Version: **1**

Analysis #: **085623**

Storage Temperature: Room temperature, Argon charged

| Parameter           | Limit Values                                                | Result                                                      |
|---------------------|-------------------------------------------------------------|-------------------------------------------------------------|
| Melting point       | 46-51 (°C)                                                  | 47.53000 °C                                                 |
| Purity(GC)          | 97-100 (%)                                                  | 99.06600 %                                                  |
| Proton NMR spectrum | Conforms to Structure                                       | Conforms to Structure                                       |
| Appearance(N159094) | White or Colorless to Yellow powder to lump to clear liquid | White or Colorless to Yellow powder to lump to clear liquid |



John Su  
QA & QC Manager