

## Certificate of Analysis

Date of Testing: 2024-05-27 14:24:54

Date of Next Testing: 2028-05-26 14:24:54

Product Name: **Ethanolamine**

CAS Number: 141-43-5

Specifications & Purity: AR, ≥99%

Lot #: E2415423

SKU #: **E103802**

Version **0**

Analysis #: **362829**

| Parameter                           | Limit Values          | Result                |
|-------------------------------------|-----------------------|-----------------------|
| Purity(GC)                          | 99-100 (%)            | 99.68 %               |
| Density (20°C)                      | 1.015-1.019           | 1.02                  |
| Refractive index n <sub>20</sub> /D | 1.452-1.457           | 1.45                  |
| Appearance (E103802)                | Colorless liquid      | Colorless liquid      |
| Infrared spectrum                   | Conforms to Structure | Conforms to Structure |

A handwritten signature in black ink that reads "John Su".

John Su  
QA & QC Manager