

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-11-11 17:19:36

Date of Next Testing: 2026-11-10 17:19:36

Product Name: **Ethanolamine Hydrochloride**

CAS Number: 2002-24-6

Specifications & Purity: Moligand™, ≥99%

Lot #: K2209519

SKU #: **E120635**

Version: **1**

Analysis #: **120081**

Storage Temperature: Room temperature, Argon charged

| Parameter                                                                       | Limit Values                            | Result                                  |
|---------------------------------------------------------------------------------|-----------------------------------------|-----------------------------------------|
| Purity(Titration by AgNO <sub>3</sub> )                                         | 99-101 (%)                              | 99.82000 %                              |
| Water by Karl Fischer                                                           | 0-1 (%)                                 | 0.24310 %                               |
| Melting point                                                                   | 80-84 (°C)                              | 83.76000 °C                             |
| Appearance (E120635)                                                            | White to Light Beige Powder or Crystals | White to Light Beige Powder or Crystals |
| Infrared spectrum                                                               | Conforms to Structure                   | Conforms to Structure                   |
| Solubility in H <sub>2</sub> O , Colorless to Faint Yellow,Clear,25g Plus 75 ml | pass                                    | Pass                                    |



John Su  
QA & QC Manager