

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-06-10 13:23:41

Date of Next Testing: 2026-06-09 13:23:41

Product Name: **Ethanolamine Hydrochloride**

CAS Number: 2002-24-6

Specifications & Purity: Moligand™, ≥99%

Lot #: F2209045

SKU #: **E120635**

Version: **1**

Analysis #: **097272**

Storage Temperature: Room temperature, Argon charged

| Parameter                                                                         | Limit Values                            | Result                                  |
|-----------------------------------------------------------------------------------|-----------------------------------------|-----------------------------------------|
| Purity(Titration by AgNO <sub>3</sub> )                                           | 99-101 (%)                              | 100.92000 %                             |
| Melting point                                                                     | 80-84 (°C)                              | 83.87000 °C                             |
| Water by Karl Fischer                                                             | 0-1 (%)                                 | 0.45040 %                               |
| 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