

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-03-09 09:20:40  
 Date of Next Testing: 2028-03-08 09:20:40  
 Product Name: **Diisopropanolamine(DL- and meso- mixture)**  
 CAS Number: 110-97-4  
 Specifications & Purity:  $\geq 98\%$   
 Lot #: B2423135  
 SKU #: **D106370**  
 Version: **0**  
 Analysis #: **311391**  
 Storage Temperature: Protected from light, Room temperature, Argon charged, Desiccated

| Parameter                     | Limit Values                                     | Result                                           |
|-------------------------------|--------------------------------------------------|--------------------------------------------------|
| Purity(Titration by 0.1M HCl) | 97.5-102.5 (%)                                   | 99.68800 %                                       |
| Water by Karl Fischer         | 0-5 (%)                                          | 0.23550 %                                        |
| Purity( sum of isomers) (GC)  | 98-100 (%)                                       | 98.31100 %                                       |
| Content of carbonate          | 0-0.5 (%)                                        | 0.20000 %                                        |
| Appearance (D106370)          | White to Beige Powder, Solid, Crystals or Chunks | White to Beige Powder, Solid, Crystals or Chunks |
| Proton NMR spectrum           | Conforms to Structure                            | Conforms to Structure                            |



John Su  
QA & QC Manager