

Shanghai Aladdin Biochemical Technology Co., LTD  
809 Chuhua Branch Road, Fengxian District, Shanghai 201400, China

## Certificate of Analysis

Date of Testing: 2023-12-06 16:13:48  
Date of Next Testing: 2027-12-05 16:13:48  
Product Name: **Ethylenediaminetetraacetic acid disodium salt dihydrate**  
CAS Number: 6381-92-6  
Specifications & Purity: Guaranteed Reagent, 99%  
Lot #: L2306341  
SKU #: **E116429**  
Analysis: **299685**

| Parameter                                                             | Limit Values          | Result                |
|-----------------------------------------------------------------------|-----------------------|-----------------------|
| Iron(Fe)                                                              | 0-0.0005 (%)          | 0.00000 %             |
| Copper(Cu)                                                            | 0-0.00025 (%)         | 0.00000 %             |
| Heavy metal (as Pb)                                                   | 0-0.001 (%)           | 0.00000 %             |
| Nitrilotriacetic acid(C <sub>6</sub> H <sub>9</sub> NO <sub>6</sub> ) | 0-0.05 (%)            | 0.01200 %             |
| Chloride (Cl <sup>-</sup> )                                           | 0-0.004 (%)           | 0.00100 %             |
| Sulfate(SO <sub>4</sub> <sup>2-</sup> )                               | 0-0.01 (%)            | 0.00600 %             |
| Assay                                                                 | 99-100 (%)            | 99.64000 %            |
| Complexation test                                                     | pass                  | Pass                  |
| Proton NMR spectrum                                                   | Conforms to Structure | Conforms to Structure |
| Solubility in Water                                                   | Pass                  | Pass                  |
| Clarity of solution                                                   | Pass                  | Pass                  |
| Infrared spectrum                                                     | Conforms to Structure | Conforms to Structure |



John Su  
QA & QC Manager