

## Certificate of Analysis

Date of Testing: 2023-11-23 14:26:31  
Date of Next Testing: 2025-11-12 14:26:31  
Product Name: **Ethylene glycol-bis(2-aminoethylether)-N,N,N',N'-tetraacetic acid**  
CAS Number: 67-42-5  
Specifications & Purity: for molecular biology,  $\geq 99.0\%$   
Lot #: K2303269  
SKU #: **E104434**  
Analysis: **282665**

| Parameter  | Limit Values          | Result                |
|--|-----------------------|-----------------------|
| Sulfate(SO42-)                                       | 0-50 (ppm)            | 10.33 ppm             |
| Ignition Residue (as sulfate)                        | 0-0.05 (%)            | 0.03 %                |
| Water by Karl Fischer                                | 0-1 (%)               | 0.09 %                |
| Purity (T)   | 99-100 (%)            | 99.15 %               |
| Melting point  | 240-244 (°C)          | 243.92000 °C          |
| Appearance (E104434)                                 | white powder          | White powder          |
| DNases   | none detected         | none detected         |
| proteases  | none detected         | none detected         |
| RNases   | none detected         | none detected         |
| Solubility( 0.1g in 15mL0.1M NaOH, Clear, colorless) | pass                  | Pass                  |
| Infrared spectrum                                    | Conforms to Structure | Conforms to Structure |



John Su  
QA & QC Manager