

## Certificate of Analysis

Date of Testing: 2022-02-19 13:39:25  
 Date of Next Testing: 2026-02-18 13:39:25  
 Product Name: **Glycine**  
 CAS Number: 56-40-6  
 Specifications & Purity: pharmacopedia grade, Ph. Eur., BP, USP, 99-101%  
 Lot #: B2217234  
 SKU #: **A110751**  
**Analysis: 057587**

| Parameter   | Limit Values                          | Result                                |
|---|---------------------------------------|---------------------------------------|
| PH  | 5.9-6.4                               | 6.20                                  |
| Ignition Residue (as sulfate)                                   | 0-0.1 (%)                             | 0.06 %                                |
| other ninhydrin-positive substances                             | 0-0.5 (%)                             | 0.20 %                                |
| Sulfate(SO42-)  | 0-50 (ppm)                            | 20.00 ppm                             |
| Loss on drying  | 0-0.2 (%)                             | 0.10 %                                |
| Heavy metal (as Pb)   | 0-0.001 (%)                           | 0.00 %                                |
| Chloride (Cl-)  | 0-50 (ppm)                            | 25.00 ppm                             |
| Assay   | 99-101(%)                             | 100.55 %                              |
| Appearance (A110751)  | White to Off-White Powder or Crystals | White to Off-White Powder or Crystals |
| hydrolyzable substances   | complies                              | complies                              |
| Infrared spectrum   | Conforms to Structure                 | Conforms to Structure                 |
| pKa   | 6.8                                   | 6.8                                   |
| Proton NMR spectrum   | Conforms to Structure                 | Conforms to Structure                 |
| reaction against H2SO4  | complies                              | complies                              |
| Residual solvents   | complies                              | complies                              |
| Solubility in H2O , Colorless transparent , c = 100mg/ml; Water | pass                                  | Pass                                  |
| volatile organic substances                                     | pass                                  | Pass                                  |



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A handwritten signature in black ink that reads "John Su".

John Su  
QA & QC Manager