

Certificate of Analysis

Date of Testing: 2022-06-13 20:09:57
 Date of Next Testing: 2026-06-12 20:09:57
 Product Name: **Glycine**
 CAS Number: 56-40-6
 Specifications & Purity: pharmacopedia grade, Ph. Eur., BP, USP, 99-101%
 Lot #: F2205124
 SKU #: **A110751**
Analysis: 083192

| Parameter | Limit Values | Result |
|---|---------------------------------------|---------------------------------------|
| PH | 5.9-6.4 | 6.20 |
| Ignition Residue (as sulfate) | 0-0.1 (%) | 0.05 % |
| other ninhydrin-positive substances | 0-0.5 (%) | 0.25 % |
| Sulfate(SO42-) | 0-50 (ppm) | 19.00 ppm |
| Loss on drying | 0-0.2 (%) | 0.13 % |
| Heavy metal (as Pb) | 0-0.001 (%) | 0.00 % |
| Chloride (Cl-) | 0-50 (ppm) | 24.00 ppm |
| Assay | 99-101(%) | 99.41 % |
| Appearance (A110751) | White to Off-White Powder or Crystals | White to Off-White Powder or Crystals |
| hydrolyzable substances | complies | complies |
| 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 |
| Infrared spectrum | Conforms to Structure | Conforms to Structure |



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A handwritten signature in black ink that reads "John Su". The signature is written in a cursive, flowing style.

John Su
QA & QC Manager