

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

| | |
|--------------------------|---|
| Date of Testing: | 2024-07-02 16:22:36 |
| Date of Next Testing: | 2028-07-01 16:22:36 |
| Product Name: | Glycine |
| CAS Number: | 56-40-6 |
| Specifications & Purity: | pharmacopedia grade, Ph. Eur., BP, USP, 99-101% |
| Lot #: | F2429058 |
| SKU # | A110751 |
| Version | 1 |
| Analysis #: | 373467 |

| Parameter | Limit Values | Result |
|---|---------------------------------------|---------------------------------------|
| PH | 5.9-6.4 | 6.26 |
| Ignition Residue (as sulfate) | 0-0.1 (%) | 0.04 % |
| other ninhydrin-positive substances | 0-0.5 (%) | 0.10 % |
| Sulfate(SO42-) | 0-50 (ppm) | 0.52 ppm |
| Loss on drying | 0-0.2 (%) | 0.16 % |
| Heavy metal (as Pb) | 0-0.001 (%) | 0.00 % |
| Chloride (Cl-) | 0-50 (ppm) | 0.28 ppm |
| Assay | 99-101(%) | 100.51 % |
| 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 |
| 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 |
| Proton NMR spectrum | Conforms to Structure | Conforms to Structure |



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

John Su
QA & QC Manager