

Certificate of Analysis

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|---------------------------|---|
| Product Name : | Glycine hydrochloride EMPROVE® EVOLVE |
| Product Number : | 1372751000 |
| Batch Number : | 0000489421 |
| Source Batch : | 0000423494 |
| CAS Number : | 6000-43-7 |
| MDL Number : | MFCD00012872 |
| Storage Temperature : | +2°C to +30°C |
| Molecular Formula : | C ₂ H ₅ NO ₂ · HCl |
| Formula Weight : | 111.53 g/mol |
| Recommended Retest Date : | Jul 2026 |
| Quality Release Date : | 28 Aug 2025 |

| Test | Specification | Result |
|---|-----------------------|-----------|
| Appearance (Color) | White | White |
| Appearance (Form) | Powder | Powder |
| Solubility (Color) | Colorless | Colorless |
| Solubility (Turbidity) | Clear | Clear |
| 25 g plus 50 ml of water | | |
| Infrared Spectrum | Conforms to Structure | Conforms |
| Loss on Drying | ≤ 1.0 % | 0.8 % |
| Purity (HPLC) | ≥ 99 % | 100 % |
| Purity (Titration by NaOH) | ≥ 98 % | 99 % |
| Iron (Fe) | ≤ 10 ppm | < 5 ppm |
| Arsenic (As) | ≤ 3.0 ppm | < 3.0 ppm |
| Heavy Metals (as Lead) | ≤ 10 ppm | ≤ 10 ppm |
| Ethanol | ≤ 5000 ppm | 486 ppm |
| Endotoxin | ≤ 50 EU/g | < 50 EU/g |
| Total Aerobic Microbial Count | ≤ 100 CFU/g | 0 CFU/g |
| Total Yeast and Mold | ≤ 100 CFU/g | 0 CFU/g |
| Cytotoxicity | Pass | Pass |
| NON COMPENDIAL STATEMENT | ----- | ----- |
| Non-compendial, not intended for direct human or animal use | | |

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchase must determine the suitability of the product for its particular use. See reverse side of website or packing slip for additional terms and conditions of sale



Product 1372751000
Batch 0000489421



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