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Certificate of Analysis

Product Description: Glycine, free acid, cell culture reagent
Catalog Number: 194681
Lot: SR04759

Formula: C₂H₃NO₂
CAS #: 56-40-6
Physical Description: White Crystalline Powder

Formula Weight: 75.07
Storage: 15 - 30°C

Test	Specification	Result
Identity Test	Passes	Passes
Purity	≥ 98%	99.59% (Dry Basis)
FTIR	Conforms to Standard	Conforms to Standard
Loss on Drying	≤ 0.5%	0.11%

Residue on Ignition: 0.04%
Heavy Metals: <20 ppm
Chloride: ≤0.007 %
Sulfate: ≤0.0065 %
Solubility (5%); Colorless
Hydrolyzable substances; passes
Residual solvents:
- Chloroform: None found
- 1,4-dioxane; None found
- Methylene chloride; None found
- Trichloroethylene: None found
Methanol: <0.3%
Arsenic: 0.1119 ppm
Iron: <10 ppm
Ammonium: <0.2%
Lead: 0.2267 ppm
Cadmium: <2 ppm
Mercury: <1 ppm
Microbial limits:
Total bacterial count: 70 cfu/g
Coliforms: Negative
Yeast & Mold; None found
E.coli; None found
Salmonella: None found
S. Aureus; None found
Pseudomonas: None found
Coagulase: Negative
Sieve test:
- 20 mesh: 0.58%
- 60 mesh: 8.92%
Bulk density:
- untapped: 0.73
- tapped: 0.85
Recommended Retest Date (MM/DD/YYYY): 10/31/2024



11/02/2021 - John Huang, PhD
MP Biomedicals, LLC.
Quality Control Manager

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Technical Service: 1-800-279-5490 (440-337-1200) Customer Service: 1-800-854-0530 (440-337-1200)