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Certificate of Analysis

Product Description: Betaine, Free Base, Anhydrous
Catalog Number: 101003
Lot: S8102

Formula: C₅H₁₁NO₂
CAS #: 107-43-7
Physical Description: White Powder

Formula Weight: 117.1
Storage: 2 - 8°C, desiccate

Test	Specification	Result
Identity Test	Passes	Passes
FTIR	Conforms to Standard	Conforms to Standard
Moisture	≤ 2%	0.96%

Heavy Metals (Pb): <10 mg/kg
Arsenic (As): <1 mg/kg
Residue on Ignition: 0.11%
Assay: 98.6% (Calculated on the anhydrous basis)
pH (10% in water): 6.31
Lead (Pb): <0.3mg/kg
Cadmium (Cd): <0.1mg/kg
Mercury (Hg): <0.1mg/kg
Chromium: <2mg/kg
Total plate count: <1000 cfu/g
Coliform bacteria: <10 cfu/g
Yeast and Mold: <100 cfu/g
Staphylococcus Aureus: Negative
Salmonella: Negative
E. coli: Negative
100% through 20 mesh
Recommended Retest Date (MM/DD/YYYY): 12/17/2025



03/03/2022 - Lily Meng
MP Biomedicals, LLC.
QC Chemist

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Online Ordering, MSDSs, certificates of analysis and data sheets now available on our web site

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