



MP Biomedicals, LLC

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Certificate of Analysis

Product Description: Sodium Bicarbonate, ACS Grade.

Catalog Number: 191435.

Lot: 9142F.

Formula: NaHCO₃

CAS #: 144-55-8

Physical Description: White Powder

Formula Weight: 84.01

Storage: Room Temperature

Test	Specification	Result
Identity Test	Passes	Passes
Assay (dried basis)	99.7 - 100.3%	99.9%
Insoluble Matter	≤0.015%	0.008%
Chloride (Cl)	≤0.003%	0.001%
Phosphate (PO ₄)	≤0.001%	0.0007%
Sulfur Compounds (as SO ₄)	≤0.003%	0.001%
Ammonium (NH ₄)	≤5 ppm	4 ppm
Magnesium (Mg)	≤0.005%	0.002%
Potassium (K)	≤0.005%	0.003%
Calcium (Ca)	≤0.02%	0.008%
Heavy Metals (as Pb)	≤5 ppm	3 ppm
Iron (Fe)	≤0.001%	0.0006%

pH (0.1 M aq soln): 8.20

07/18/2003 - Joseph Dietz, Ph.D.

MP Biomedicals, LLC.

Technical Director

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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)