

**MP Biomedicals, LLC**

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Certificate of Analysis

Product Description: Phenolphthalein USP/NF_
Catalog Number: 102608_
Lot: 2204H_

Formula: C₂₀H₁₄O₄

CAS #: 77-09-8

Physical Description: Fine White Powder

Formula Weight: 318.33

Storage: Room Temperature

Test	Specification	Result
Assay	≥98%	99.62%
Color of Solution	Passes	Passes
Identification	Passes	Passes
Melting Temperature	≥258°C	261.5 - 262.5°C
Loss on Drying	≤1.0%	0.10%
Residue on Ignition	≤0.1%	0.02%
Heavy Metals	≤0.0015%	Passes
Limit of Fluoran	Passes	Passes
Chromatographic Purity	Passes	Passes
Organic Volatile Impurities	Passes	Passes

Arsenic: 1ppm

Visual transition interval (for pH 8.0-colorless to pH 10.0-red): conforms

01/22/2004 - 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)