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Certificate of Analysis

Product Description: Quinine Hemisulfate_
Catalog Number: 102792_
Lot: 1821H_

Formula: C₂₀H₂₄N₂O₂·½H₂SO₄

CAS #: 6119-70-6

Physical Description: White Powder

Formula Weight: 373.5

Storage: Room Temperature

Test	Specification	Result
Identity Test	Passes	Passes
Purity	≥90%	99.7%
FTIR	Conforms to Standard	Conforms to Standard

Optical Rotation: -242.2°

Water: 4.4%

Residue on Ignition: 0.03%

Heavy Metals: 0.0005%

Chloroform-Alcohol insoluble substances: 0.04%

Limit of Dihydroquinine Sulfate: < 5.1%

Organic Volatile Impurities: Passes Test

Solubility (5% in 95% EtOH): Passes

12/19/2003 - 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)