



MP Biomedicals, LLC

29525 Fountain Parkway
Solon, Ohio 44139

Telephone: 440/337-1200
Toll Free: 800/854-0530

Fax: 440/337-1180
web: www.mpbio.com

Certificate of Analysis

Product Description: Caffeine Monohydrate_
Catalog Number: 101194_
Lot: MR29457_

Formula: C₈H₁₀N₄O₂·H₂O

CAS #: 58-08-2

Physical Description: White Powder

Formula Weight: 212.2

Storage: Room Temperature

Test	Specification	Result
Identity Test	Passes	Passes
FTIR	Conforms to Standard	Conforms to Standard
Melting Point	230 - 240°C	235 - 239°C
pH (1% aq soln)	6 - 7.5	6
Moisture	4 - 8%	7.1%
UV/Vis: □□ max (water)	271 - 273 nm	273 nm

Residue on Ignition: 0.07%

Heavy Metals: <0.001%

Assay (anhydrous basis): 99.8%

Christina Marotta

06/11/2012 - Christina Marotta

MP Biomedicals, LLC.

Technical Director

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<mailto:biotech@mpbio.com>

<http://www.mpbio.com>

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)