



MP Biomedicals, LLC

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## Certificate of Analysis

**Product Description:** Caffeine Citrate  
**Catalog Number:** 204818  
**Lot:** Q9235

**Formula:** Mixture  
**CAS #:** 69-22-7  
**Physical Description:** White to Off-white Powder

**Formula Weight:** 386.32  
**Storage:** 15 - 30°C

Test	Specification	Result
Identity Test	Passes	Passes
FTIR	Conforms to Reference	Conforms to Reference

Solubility: Freely soluble in warm water

Identification A, B, & C: Complies

Melting point: 235.6 - 236.5°C

Loss on drying: 0.34%

Residue on ignition: 0.03%

Heavy metals:  $\leq 15$  ppm

Assay:

- Caffeine: 49.87%

- Citric acid: 49.51%

Total assay value of Citrated Caffeine: 99.38%

Recommended Retest Date: 10/31/2020

05/16/2018 - John Huang, PhD

MP Biomedicals, LLC.

Quality Control Manager

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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)



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