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Certificate of Analysis

Product Description: Tetracycline Free Base_
Catalog Number: 103012_
Lot: 2033J_

Formula: C₂₂H₂₄N₂O₈

CAS #: 60-54-8

Physical Description: Yellow Powder

Formula Weight: 444.4

Storage: -0°C, protect from light, store under nitrogen

Test	Specification	Result
Identity Test	Passes	Passes
Potency	≥900 µg/mg	944 µg/mg
FTIR	Conforms to Standard	Conforms to Standard
UV/VIS: □ max (0.1N HCl)	217-220, 268-271, 355-356 nm	217, 269, 355 nm

Identification: Positive reaction

pH: 4.70

Specific Rotation: -271°

Loss on Drying: 7.49%

Heavy Metals: <40 ppm

Sulphated Ash: 0.21%

Related Substances:

----4-epitetraacycline: 4.84%

----4-epianhydrotetraacycline: 0.01%

Peak Tail: 0.01%

Assay: 94.4%

Conclusion: This product conforms to BP 2002/EP4

04/27/2006 - Robert Beattie

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)