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Certificate of Analysis

Product Description: Tetracycline Free Base
Catalog Number: 103012
Lot: SR01849**Formula:** C₂₂H₂₄N₂O₈
CAS #: 60-54-8
Physical Description: Yellow Powder**Formula Weight:** 444.43
Storage: -20°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: λ max (0.1N HCl)	215 - 220, 266 - 271, 354 - 357 nm	217, 268, 356 nm
Expiration Date	Month/Day/Year	10/21/2023

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-epitetracycline: 4.84%

----4-epianhydrotetracycline: 0.01%

Peak Tail: 0.01%

Assay: 94.4%

10/23/2019 - John Huang, PhD
MP Biomedicals, LLC.
Quality Control ManagerThis is an electronically generated document
mailto:biotech@mpbio.com
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