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Certificate of Analysis

Product Description: Doxycycline Hydrochloride_
Catalog Number: 195044_
Lot: S5173_

Formula: C₂₂H₂₄N₂O₈·HCl
CAS #: 10592-13-9
Physical Description: Yellow Powder

Formula Weight: 480.9
Storage: desiccate, protect from light, 2 - 8°C

Test	Specification	Result
Identity Test	Passes	Passes
FTIR	Conforms to Standard	Conforms to Standard
pH (10 mg/ml)	2-3	2.48
Solubility (10 mg/ml)	Clear solution	Clear solution

Specific Optical Rotation: -111°
Water Content: 2.0%
Assay (HPLC): 98.0%
Heavy Metals: <50 ppm
Sulphated Ash: <0.4%
Recommended Retest Date (MM/DD/YYYY): 11/12/2025

12/03/2020 - John Huang, PhD
MP Biomedicals, LLC.
Quality Control Manager

This is an electronically generated document
mailto:biotech@mpbio.com
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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)