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Certificate of Analysis

Product Description: Ciprofloxacin Hydrochloride
Catalog Number: 199020
Lot: Q4056

Formula: C₁₇H₁₈FN₃O₃·HCl·xH₂O
CAS #: 86393-32-0
Physical Description: White Powder

Formula Weight: 367.8 (anhyd.)
Storage: +4°C

Test	Specification	Result
Identity Test	Passes	Passes
FTIR	Conforms to Reference	Conforms to Reference
Melting Point	313 - 322°C	313°C
Expiration Date	Month/Day/Year	03/22/2018

pH: 3.7
Water: 5.4%
Residue on Ignition: 0.05%
Sulfate: #0.04%
Heavy Metals: <20 ppm
Fluoroquinolonic Acid: <0.2%
Chromatographic Purity:
-- Ciprofloxacin ethylenediamine analog: 0.04%
-- Any other individual impurity: 0.10%
-- Total impurities: 0.28%
Assay (on the anhydrous basis): 100.5%

04/30/2016 - John Huang, PhD
MP Biomedicals, LLC.

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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)