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Certificate of Analysis

Product Description: Ciprofloxacin Hydrochloride
Catalog Number: 199020
Lot: M8879

Formula: C₁₇H₁₈FN₃O₃·HCl·xH₂O
CAS #: 86393-32-0
Physical Description: Off-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	5/31/2016

pH (1 in 40): 3.8
Water (KF): 6.3%
Residue on Ignition: 0.04%
Sulfate: #0.04%
Heavy Metals: #0.002%
Fluoroquinolonic Acid: #0.2%
Residue of Solvents:
-- Ethanol: 87 ppm
-- 3-Methyl-1-butanol: Not Detected
Chromatographic Purity:
-- Ciprofloxacin ethylenediamine analog: 0.05%
-- Any other individual impurity: 0.05%
-- Sum of all impurity peaks: 0.18%
Assay (dry basis): 100.2%

Christina Marotta

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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)