



**MP Biomedicals, LLC**

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## Certificate of Analysis

**Product Description:** Doxycycline Hydrochloride\_  
**Catalog Number:** 195044\_  
**Lot:** 6785J\_

**Formula:** C<sub>22</sub>H<sub>24</sub>N<sub>2</sub>O<sub>8</sub>·HCl  
**CAS #:** 10592-13-9  
**Physical Description:** Yellow Powder

**Formula Weight:** 480.9  
**Storage:** +4°C, desiccate, protect from light

Test	Specification	Result
Identity Test	Passes	Passes
FTIR	Conforms to Standard	Conforms to Standard

Acidity: 2.4  
Specific Optical Rotation: -114°  
Light Absorbing Impurities: 0.01  
Light Absorption: 325  
Water: 2.1%  
Sulphated Ash: 0.1%  
Heavy Metals: <50 ppm  
Ethanol: 5.1%  
Methacycline: <2.0%  
6-Epidocycline <2.0%  
Other Impurities: <0.5%  
Assay:98.1%

08/10/2007 - 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  
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