



**MP Biomedicals, LLC**

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## Certificate of Analysis

**Product Description:** Tetracycline Hydrochloride, cell culture reagent.

**Catalog Number:** 194542.

**Lot:** 3300B.

**Formula:** C<sub>22</sub>H<sub>24</sub>N<sub>2</sub>O<sub>8</sub>·HCl

**CAS #:** 64-75-5

**Physical Description:** Yellow Crystalline Powder

**Formula Weight:** 480.91

**Storage:** -0°C, protect from light

Test	Specification	Result
Identity Test	Passes	Passes
Potency	≥900 µg/mg	986 µg/mg
Purity	≥98%	>98%
FTIR	Conforms to Standard	Conforms to Standard
Melting Point	215 - 225°C	218.6 - 219.5°C
UV/Vis: □□□ max (1N HCl)	219, 271, 357 ± 5 nm	216.0, 276.0, 357.0 nm
pH (1% aq soln)	1.8 - 2.8	2.41
Moisture	≤2%	0.4%
Optical Rotation	-239° to -258° (c=0.01, 0.1 N HCl)	-253.7°
Expiration Date	Month/Day/Year	9/30/2000

07/19/2000 - Joseph Dietz, Ph.D.

MP Biomedicals, LLC.

Technical Director

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<http://www.mpbio.com>

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Technical Service: 1-800-279-5490 (440-337-1200) Customer Service: 1-800-854-0530 (440-337-1200)