



**MP Biomedicals, LLC**

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## Certificate of Analysis

**Product Description:** Tetracycline Free Base\_  
**Catalog Number:** 103012\_  
**Lot:** 1137E\_

**Formula:** C<sub>22</sub>H<sub>24</sub>N<sub>2</sub>O<sub>8</sub>      **Formula Weight:** 444.4  
**CAS #:** 60-54-8      **Storage:** -0°C, protect from light, store under nitrogen  
**Physical Description:** Yellow Powder

Test	Specification	Result
Identity Test	Passes	Passes
Potency	≥900 µg/mg	929 µg/mg
FTIR	Conforms to Standard	Conforms to Standard
UV/VIS: □ max (0.1N HCl)	217-220, 268-271, 355-356nm	218, 270.5, 356 nm
Optical Rotation (c=1, methanol)	-218.0 to 228.0°	Passes

Assay.: 92.8%  
Heavy Metals.....40ppm  
Acidity.....5.02  
Moisture.....7.48%  
Sulphated Ash.....0.24%

  
Approved - 11/08/2000 by Joe Dietz  
MP Biomedicals, LLC.  
Technical Director

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