



**MP Biomedicals, LLC**

29525 Fountain Parkway  
Solon, Ohio 44139

Telephone: 440/337-1200  
Toll Free: 800/854-0530

Fax: 440/337-1180  
web: www.mpbio.com

## Certificate of Analysis

**Product Description:** Dexamethasone, cell culture reagent\_  
**Catalog Number:** 194561\_  
**Lot:** 5650K\_

**Formula:** C<sub>22</sub>H<sub>29</sub>FO<sub>5</sub>

**CAS #:** 50-02-2

**Physical Description:** White Powder

**Formula Weight:** 392.47

**Storage:** Room Temperature, protect from light

| Test             | Specification                  | Result               |
|------------------|--------------------------------|----------------------|
| Identity Test    | Passes                         | Passes               |
| FTIR             | Conforms to Standard           | Conforms to Standard |
| Loss on Drying   | #0.5%                          | 0.24%                |
| Optical Rotation | +72° to +80°<br>(c=1, dioxane) | +76°                 |

Residue on Ignition: #0.2%

Assay: 99.3% (dry basis)

Residual Solvent: Methanol #3,000 ppm

Particle Size: 99% <30 µm (by microscope)

*Christina Marotta*

02/09/2010 - Christina Marotta

MP Biomedicals, LLC.

Technical Director

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<mailto:biotech@mpbio.com>

<http://www.mpbio.com>

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)