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## Certificate of Analysis

**Product Description:** Dexamethasone, cell culture reagent  
**Catalog Number:** 194561\_  
**Lot:** R21952\_

**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
Melting Point	253 - 263°C	256.5 - 258°C
Loss on Drying	≤0.5%	0.27%
Optical Rotation	+72° to +80° (c=1, dioxane)	+76.6°

Identification: Conforms to B,C for BP98

Related substances:

---Total impurities:0.89%

---Any single impurity: Max:0.34%

Assay: 99.4%

Residual solvent: 408 ppm

Particle size: Conforms to 99% < 30 microns

10/26/2006 - 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

