

**MP Biomedicals, LLC**

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## Certificate of Analysis

**Product Description:** beta-Estradiol-3-benzoate

**Catalog Number:** 190411

**Lot:** 5552E

**Formula:** C<sub>25</sub>H<sub>28</sub>O<sub>3</sub>

**CAS #:** 50-50-0

**Physical Description:** White Powder

**Formula Weight:** 376.5

**Storage:** Room Temperature

| Test                                          | Specification        | Result               |
|-----------------------------------------------|----------------------|----------------------|
| Identity Test                                 | Passes               | Passes               |
| Melting Point                                 | 190-200°C            | 190-200°C            |
| FTIR                                          | Conforms to Standard | Conforms to Standard |
| Optical Rotation<br>(c=1, CHCl <sub>3</sub> ) | +60 ± 3°             | +60.0°               |

**Purity:** 99.61%

**LOD:** 0.06%

**Sulphated Ash:** <0.02%

Approved - 05/08/2001 by Joe Dietz

MP Biomedicals, LLC.

Technical Director

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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)