



**MP Biomedicals, LLC**

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## Certificate of Analysis

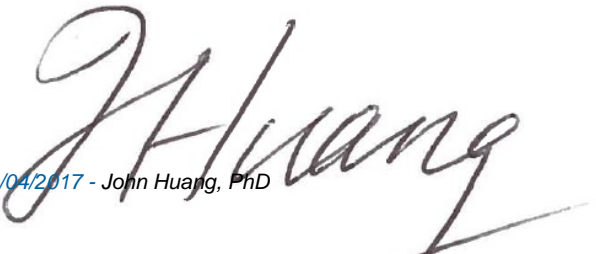
**Product Description:** Vitamin D3  
**Catalog Number:** 101224  
**Lot:** QR14937

**Formula:** C<sub>27</sub>H<sub>44</sub>O  
**CAS #:** 67-97-0  
**Physical Description:** Fine, White Powder

**Formula Weight:** 384.65  
**Storage:** desiccate, 2 - 8°C

Test	Specification	Result
Identity Test	Passes	Passes
Potency	Report Result	108,300 IU/g
FTIR	Conforms to Standard	Conforms to Standard

Loss on drying: 3.6%  
Heavy metals: <10 ppm  
Arsenic: <1 ppm  
Cadmium: <1 ppm  
Lead: <1 ppm  
Mercury: <1 ppm  
Total plate count: 10 cfu/g  
Yeast & Mold: <10 cfu/g  
E. coli: Negative  
Coliforms: <10 cfu/g  
Salmonella: Negative  
Staphylococcus Aureus: Negative  
Mesh size: 97.8% thru 60 mesh  
Bulk density: 0.53 g/ml  
Tap density: 0.63 g/ml  
Recommended Retest Date: 11/28/2019

  
12/04/2017 - John Huang, PhD

MP Biomedicals, LLC.  
Quality Control Manager

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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)