

## Certificate of Analysis

**Product Description:** L-Ascorbylpalmitate  
**Catalog Number:** 100781  
**Lot:** S0846

**Formula:** C<sub>22</sub>H<sub>38</sub>O<sub>7</sub>  
**CAS #:** 137-66-6  
**Physical Description:** White Powder

**Formula Weight:** 414.54  
**Storage:** 15 - 30°C

Test	Specification	Result
Identity Test	Passes	Passes
FTIR	Conforms to Reference	Conforms to Reference
Melting Point	110 - 120°C	114.7 - 115.6°C

Bulk Density: 0.13 g/ml  
 Tapped Density: 0.25g/ml  
 Assay (Dried Basis): 99.11%  
 Specific Rotation: +23.04°  
 Heavy Metals: <10 ppm  
 Arsenic: <3 ppm  
 Cadmium: <1 ppm  
 Lead: <2 ppm  
 Mercury: <0.1 ppm  
 Residual Solvents:  
 - Acetone: <0.50 %  
 Loss on Drying: 0.22%  
 Residue on Ignition: 0.05%  
 Total Plate Count; <1000 cfu/g  
 Yeast and Mold: < 100 cfu/g  
 Coliforms: Negative  
 E. coli: Negative  
 Staphylococcus Aureus: Negative  
 Salmonella: Negative  
 Recommended retest date: 12/05/2019



Quality Control Manager

This is an electronically generated document  
<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)