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Certificate of Analysis

Product Description: L-Ascorbylpalmitate
Catalog Number: 100781
Lot: QR11078

Formula: C₂₂H₃₈O₇
CAS #: 137-66-6
Physical Description: Off-white powder

Formula Weight: 414.54
Storage: Room Temperature

| Test | Specification | Results |
|---------------|-----------------------|-----------------------|
| Identity Test | Passes | Passes |
| FTIR | Conforms to Reference | Conforms to Reference |
| Melting Point | 110 - 120°C | 114.1-115.4°C |

Assay: 95.49%
Particle Size (thru 60 mesh): 99.92%
Specific Rotation: +21.7°
Heavy Metals: <5 ppm
Arsenic: 0.01 ppm
Lead: 0.01 ppm
Coliforms: <3 MPN/g
Staphylococcus: Negative
Total Plate Count; <100 cfu/g
Residue on Ignition: 0.027%
Loss on Drying: 0.39%
Recommended retest date:09/09/2018



09/11/2015 - John Huang, PhD
MP Biomedicals, LLC.
Quality Control Manager

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