

Certificate of Analysis

Product Description: L-Ascorbylpalmitate
Catalog Number: 100781
Lot: S3510

Formula: C₂₂H₃₈O₇
CAS #: 137-66-6
Physical Description: Off-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	114.0 - 115.0°C

Bulk Density: 0.17 g/ml
 Tapped Density: 0.32g/ml
 Assay (Dried Basis): 98.94%
 Specific Rotation: +22.59°
 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: 0.20%
 Residue on Ignition: 0.08%
 Total Plate Count; <20 cfu/g
 Yeast and Mold: < 10 cfu/g
 Coliforms: Negative
 E. coli: Negative
 Staphylococcus Aureus: Negative
 Salmonella: Negative
 Color of solution: <BY4
 Particle size (200 - 300 Mesh): 100%
 Recommended Retest Date (MM/DD/YYYY): 01/10/2021



01/30/2020 - John Huang, PhD
MP Biomedicals, LLC.
Quality Control Manager

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