



Specification

Ascorbyl Palmitate

CAS Number:	137-66-6
Molecular Formula:	C ₂₂ H ₃₈ O ₇
Molecular Weight:	414.53
Storage:	15°C - 30°C
Retest Period:	Three years after date of manufacture.

Test	Specification
Appearance	White to yellowish-white powder
Solubility	Insoluble in water 300 mg/L, Vegetable oil 100,000 mg/L, Ethanol
Identification	Positive
Particle Size	≥ 95% through 100 mesh
Clarity/Color of Solution	≤ BY4, Clear solution
Assay	≥ 95%
Loss on Drying	≤ 2.0%
Melting Point	107°C ~ 117°C
pH	6.0 ~ 7.5
Chloride	≤ 300 ppm
Residue on Ignition	≤ 0.2%
Specific Rotation	+21° ~ +24°
Residual Solvent Acetone	≤ 0.5%
Heavy Metals	≤ 10ppm
Arsenic	≤ 1ppm
Cadmium	≤ 1ppm
Mercury	≤ 0.1ppm
Lead	≤ 2ppm
Total Aerobic Plate Count	≤ 100 cfu/g
Total Yeast and Mold	≤ 10 cfu/g
Coliforms	≤ 10 cfu/g
Escherichia coli, absent in 1g	Negative
Salmonella spp., absent in 25g	Negative
Staph. Aureus	Negative

Approved:

Date: May 12, 2020



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