

10800 231st Way NE Redmond, WA 98053 Phone: 425-292-9502 makingcosmetics.com



Certificate of Analysis

(Representative Sample Certificate)

Product Name: Vitamin C L-Ascorbyl Palmitate

INCI Name: L-Ascorbyl Palmitate

CAS Number: 137-66-6

Lot Number: Not available (data may vary slightly with different lots or batches)

Expiration Date: 36 months from production date

Analytical Tests	Specifications/Limits	Results
Appearance	Powder	Powder
Color	Almost white, yellowish white, clear	Almost white
Clarity of a solution 10pc in methanol Ph.Eur.	Clear	Clear
Color of a solution 10pc in methanol Ph.Eur.	Not more than BY4	Not more than BY4
Specific rotation (589nm, 20oC, dried) Ph.Eur.	21.0 - 24.0 degree	23.0
Melting range USP	107 - 117 C	113.9
Identity Ph.Eur.	Corresponds	Corresponds
Loss on drying Ph.Eur.	Max. 1.00 %	0.00
Sulphated ash Ph.Eur.	Max. 0.10 %	0.00
Heavy metals Ph.Eur.	<= 10 ppm	<= 10 ppm
Lead AAS	<= 2 ppm	<= 2 ppm
Copper AAS	<= 25 ppm	<= 25 ppm
Zinc AAS	<= 25 ppm	<= 25 ppm
Arsenic AAS	<= 3 ppm	<= 3 ppm
Mercury AAS	<= 1 ppm	<= 1 ppm
Organic volatile impurities	Corresponds USP	Corresponds USP
Assay (dried) Ph.Eur.	98.0 - 100.5 %	99.5

Residual solvents: Acetone: <=500ppm, Petroleum Ether: <=290ppm, Mesityl Oxide: <=50ppm.

The lot was analyzed and released by the authorized Quality Control Department of the supplier and was found to meet the specifications as given above. The product meets all requirements of the following valid compendia when tested accordingly: USP, FCC, Ph.Eur

The above data were obtained using the test indicated and is subject to the deviation inherent in the test method. Results may vary under other test methods or conditions.

This report is not to be signed.