

# ASES CHEMICAL WORKS

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## CERTIFICATE OF ANALYSIS

1. Name of the Product	L-Ascorbyl Palmitate
2. Synonyms	Ascorbic acid 6-palmitate/6-O-Palmitoyl-L-ascorbic acid
3. CAS Number	137-66-6
4. Formula	$C_{22}H_{38}O_7$
5. Mol. Weight	414.53
6. Batch No & Mfg. Date	As mentioned on Label
7. Date Of Exp	3 Years From MFG Date
8. Date of Analysis	Mar-2024

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
Melting range USP	107 – 117 C	113.9
Identity Ph.Eur.	Corresponds	Corresponds
Loss on drying Ph.Eur.	Max. 1.00 %	0
Sulphated ash Ph.Eur.	Max. 0.10 %	0
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