



Specification

Concerning Product:	
Article number	137666SK
Trade name / designation / denomination	Ascorbylpalmitat
CAS number	137-66-6
Other names / synonyms	•6-O-Palmitoyl-L-ascorbic Acid; •6-O-Palmitoyl-L-ascorbic acid; •6-O-palmitoylascorbic acid; •Ascorbic acid 6-palmitate; •Ascorbyl palmitate; •L-Ascorbyl 6-palmitate; •hexadecanoic acid [2-(4,5-dihydroxy-3-oxo-2-furanyl)-2-hydroxyethyl] ester;
EC number	205-305-4
Customs tariff number / CN code / TARIC	29362700
Molecular weight [g / mol]	414.53292
Formula	C ₂₂ H ₃₈ O ₇

Parameter	Specification	Unit
Organoleptic test		
Appearance of solution	clear ≤ BY ₁	
Appearance	white yellow powder	
Physical parameter		
Loss on drying	≤ 0,8	%
Specific Optical Rotation	+21 – +24	°
Melting range	107 – 117	°C
Solubility	in 10 % Methanol: clear soluble	
Identity		
Assay	98,0 – 100,5	%
Impurities		
Residue on ignition	≤ 0,1	%
Heavy Metals (as Pb)	≤ 4	ppm
Microbiological data		
Coliform bacteria	≤ 30	MPN/100g
Salmonella	neg.	
Staphylococcus Aureus	neg.	

Supplemental information:

Shelf life: 2 years

Usage: Ascorbyl palmitate is an oil-soluble, powdered antioxidant made with RSPO-SG certified palmitic acid. Ascorbyl palmitate is very color stable and compatible with most cosmetic emollients. Ascorbyl palmitate and tocopherol in the ratio of about 2: 1 mixed is a particularly effective antioxidant for unsaturated fatty acids in oils. Ascorbyl palmitate accelerates the collagen synthesis of the skin and is therefore also suitable for anti-aging products.

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 06. May. 2022

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