



Specification

Concerning Product:	
Article number	137666QPEUL
Trade name / designation / denomination	Ascorbylpalmitat (ex China)
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 and not more than BY ₄	
Appearance	white or yellow-white powder	
Colour	degree of whiteness: ≥ 68	
Physical parameter		
Loss on drying	≤ 0.8	%
Specific Optical Rotation	21 – 24	°
Melting range	107 – 117	°C
Identity		
Assay	98.0 – 100.5	%
Identification	complies	
Impurities		
Residue on ignition	≤ 0.1	%
Heavy Metals (as Pb)	≤ 4	ppm
Sulphated ash	≤ 0.1	%
Elemental Impurities		
Arsenic (As)	≤ 1	ppm
Cadmium (Cd)	≤ 0.5	ppm
Mercury (Hg)	≤ 0.01	ppm
Lead (Pb)	≤ 2	ppm
Microbiological data		
Bacterial endotoxins	≤ 1000	CFU/g
Escherichia Coli.	≤ 30	MPN/100g
Salmonella	≤ 0	CFU/g
Staphylococcus Aureus	≤ 0	CFU/g

Supplemental information:

Shelf life: 24 month

Storage conditions: Store in an airtight container, protected from light, prevent moisture and heat.

Complies with monographie: BP2015, EP8.0, USP38, FCCIX

Regional origin: China

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 27. Nov. 2019

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