



Specification

Concerning Product:	
Article number	303980APE
Trade name / designation / denomination	Coenzym Q10, EP
CAS number	303-98-0
Other names / synonyms	•2-[(2E,6E,10E,14E,18E,22E,26E,30E,34E)-3,7,11,15,19,23,27,31,35,39-decamethyltetraconta-2,6,10,14,18,22,26,30,34,38-decaenyl]-5,6-dimethoxy-3-methylcyclohexa-2,5-diene-1,4-dione; •Coenzyme Q10 ; •coenzyme Q-10; •ubidecarenone;
EC number	206-147-9
Customs tariff number / CN code / TARIC	29146990
Molecular weight [g / mol]	863.3435
Formula	C ₅₉ H ₉₀ O ₄

Parameter	Specification	Unit
Organoleptic test		
Appearance	crystalline powder	
Colour	Yellow to Orange	
Odour	No unpleasant smell, no special odor	
Physical parameter		
Loss on drying	≤ 0,2	%
Boiling range	100 % through 80 mesh	°C
Solubility	Practically insoluble in water, soluble in acetone, very slightly soluble in ethanol	
Solubility	Praktisch unlöslich in Wasser, löslich in Aceton, sehr schwer löslich in Ethanol	
Identity		
Assay	97,0 – 103,0	%
Identification	Infrared absorption Examine the chromatograms obtained in the test for related substances	
Melting Point (identity)	About 48 °C	°C
Impurities		
Benzo[a]pyrene (BAP)	≤ 10	µg/kg
Sulphated ash	≤ 0,1	%
Impurity	≤ 0,5	%
Impurity	F ≤ 0,5	%

Impurity	total: ≤ 1,0	%
Residual Solvents		
Ethanol	≤ 5,000	mg/kg
Elemental Impurities		
Arsenic (As)	≤ 1,0	mg/kg
Cadmium (Cd)	≤ 1,0	mg/kg
Mercury (Hg)	≤ 0,1	mg/kg
Lead (Pb)	≤ 3,0	mg/kg
Organic volatile impurities		
Methanol	≤ 3,000	mg/kg
Microbiological data		
Escherichia Coli.	Neg.	CFU/g
Bile-tolerant gram-neg. bacteria	≤ 100	CFU/g
Pseudomonas aeruginosa	neg.	
Salmonella	neg.	
Staphylococcus Aureus	neg.	
Total Plate Count	≤ 10,000	CFU/g
Yeast and Mould	≤ 100	CFU/g

Regulatory information:

Allergens statement: Product is free of allergens according to Regulation (EU) No. 1169/2011 Annex II.

BSE/TSE statement: Product conforms to TSE/BSE regulation EC No. 999/2001.

GMO statement: Product is GMO free and complies to Regulations (EC) No. 1829/2003 and 1830/2003.

Irradiated Status: Product is irradiation free according to Directive EC 1999/2/EG and 1169/2011.

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 23. Nov. 2021

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