



Specification

Concerning Product:	
Article number	303980DPE
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	Test Method	Specification	Unit
Organoleptic test			
Appearance		Yellow to orange, hygroscopic, crystalline powder	
Physical parameter			
Loss on drying	EP (2.5.12)	≤ 0,2	%
Melting range		47,5 – 48,5	°C
Melting range		~ 48	°C
Solubility		in Water: insoluble in Acetone: soluble in Ethanol: very slightly soluble	
Identity			
Assay		Ubidecarenone (anhydrous): 98,0 – 102,0	%

Identification	EP (2.2.24)	A (IR): Both spectra exhibit similar intensities of absorption at the same wave numbers.	
Identification	EP (2.2.29)	B (LC): Both peak exhibit similar retention time and size	
Impurities			
Sulphated ash	EP (2.4.14)	≤ 0,1	%
Impurity	EP (2.2.29)	F: n.d.*	%
Impurity		total: ≤ 0,6	%
Impurity		unspecified: ≤ 0,1	%
Related substances	EP (2.2.29)	Impurity D: ≤ 0,3	% [w/w]

Annotation:

* n.d. = not detectable / nicht messbar

Supplemental information:

Note: The product gradually decompresses and darkens on exposure to light. Carry out all operations avoiding exposure to light.

Storage conditions: Protect from light and store cool and dry in well-closed original packaging. The temperature should not exceed 25 °C.

Complies with monographie: stricter than Pharm.Eur.

Regional origin: Japan

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 09. Feb. 2020

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