



Specification

Concerning Product:	
Article number	303980IPUL
Trade name / designation / denomination	Coenzym Q10, USP, CN (Ubiquinone)
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		
Colour	yellow to orange	
Physical parameter		
Form	crystalline powder	
Loss on drying	≤ 0,2	%
Melting range	48,0 – 52,0	°C
Identity		
Assay	99,0 – 101,0	%
Identification	B (color reaction): a blue color appears	
Identification	C (HPLC): complies to reference	
Infrared absorption spectrometry	conform to the reference	
Impurities		
Residue on ignition	≤ 0,1	%
Heavy Metals (as Pb)	≤ 10	ppm
Impurity	Test 1 + Test 2: ≤ 1,5	%
Impurity	Test 1: sum of all impurities: ≤ 1,0	%

Impurity	Test 2: sum of all impurities: ≤ 1,0	%
Related substances	CIS-Isomer: ≤ 0,5	%
Residual Solvents		
Residual solvents	Ethanol: ≤ 1000	ppm
Residual solvents	Ethyl Acetate: ≤ 100	ppm
Residual solvents	Hexane: ≤ 20	ppm
Elemental Impurities		
Arsenic (As)	≤ 1	ppm
Cadmium (Cd)	≤ 1	ppm
Mercury (Hg)	≤ 0,1	ppm
Lead (Pb)	≤ 1	ppm
Microbiological data		
Coliform bacteria	≤ 3	
Escherichia Coli.	neg. in 10g	
Salmonella	neg. in 25g	
Staphylococcus Aureus	neg. in 10g	
Total Plate Count	≤ 1000	CFU/g
Yeast and Mould	≤ 50	CFU/g
Particle size distribution		
Particles	< 100 mesh: ≥ 90	%
Particles	< 80 mesh: ≤ 100	%

Supplemental information:

Shelf life: 3 years

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: USP 41

Regional origin: CN

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 22. Jan. 2020

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