



Specification

Concerning Product:	
Article number	303980DER
Trade name / designation / denomination	Coenzym Q10, pure
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	Yellow to orange crystalline powder	
Physical parameter		
Loss on drying	≤ 0,2	%
Identity		
Assay	97,0 – 103,0	%
Identification	A: IR: Corresponds qualitatively to the reference a blue color appears	
Identification	B: Color Reaction: A blue color appears	
Identification	C: HPLC: Examine the chromatogram obtained with the test solution is similar to that of the principal peak in the chromatogram obtained with reference solution (a)	
Melting Point (identity)	≤ 48,0	°C
Impurities		
Heavy Metals (as Pb)	Total: ≤ 10,0	ppm
Sulphated ash	≤ 0,1	%
Impurity	Ethanol: ≤ 1,000	%
Impurity	Fluor: ≤ 0,5	%
Related substances	Any impurity: ≤ 0,5	%
Related substances	Sum of all impurities: ≤ 1,0	%
Residual Solvents		
Residual solvents	Ethyl Acetate: ≤ 100	ppm
Residual solvents	N-Hexane: ≤ 1,0	ppm

Elemental Impurities		
Arsenic (As)	≤ 1,0	ppm
Cadmium (Cd)	≤ 1,0	ppm
Mercury (Hg)	≤ 0,1	ppm
Lead (Pb)	≤ 1,0	ppm
Microbiological data		
Coliform bacteria	≤ 3	MPN/g
Escherichia Coli.	neg. in 10g	CFU/g
Salmonella	neg. in 25 g	
Staphylococcus Aureus	neg. in 25g	
Total Plate Count	≤ 1,000	CFU/g
Yeast and Mould	≤ 50	CFU/g
Particle size distribution		
Particles	80 mesh: pass ≥ 90,0	%

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.

Packing: 5kgs/tin * 2 tins/carton

Chemische Werke Hommel GmbH & Co.KG

This document was generated electronically and is valid without signature.

Waltrop, 18. Dec. 2019

We only confirm that we took over the data from our supplier accordingly. Despite careful working, errors in the takeover are not totally excluded. Some or all parts of the document may be translated due to our best knowledge from the original to give a better understanding. If you have any questions about specific details, please call us directly. Unless otherwise marked, these data do not originate from us and have not been tested by us on the correctness. The above information corresponds to the present state of our knowledge and is intended as a general description of our products and their possible applications. We make no warranties, expressed or implied, as to the information's accuracy, adequacy, sufficiency or freedom from defect and assumes no liability in connection with any use of this information. Any user of this product is responsible for determining the suitability of our products for its particular application. The foregoing information does not absolve the buyer of its own tests. Observing existing laws and regulations, is the responsibility of the buyer of our product. Nothing included in this information waives any of our General Terms and Conditions of Sale, which control unless it agrees other in writing. Any existing intellectual/industrial property rights must be observed. Due to possible changes in our products and applicable national and international regulations and laws, the status of our products could change. Material Safety Data Sheets providing safety precautions, that should be observed when handling or storing our products, are available upon request and are provided in compliance with applicable law. The user should obtain and review the applicable Material Safety Data Sheet information before handling any of these products. For additional information, please contact us.