



## Spezifikation

Produktbezug:	
Produktnummer	303980IPUL
Handelsname / Bezeichnung	Coenzym Q10, USP, CN (Ubiquinone)
CAS Nummer	303-98-0
Andere Bezeichnungen / Synonyme	•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; •Coenzym Q10; •Coenzyme Q10 ; •Ubidecarenon; •Ubidecarenone; •coenzyme Q-10; •ubidecarenone;
EG Nummer	206-147-9
Zolltarifnummer / CN-Code	29146990
Molekulargewicht [g/mol]	863.3435
Formel	C <sub>59</sub> H <sub>90</sub> O <sub>4</sub>

Parameter	Spezifikation	Einheit
<b>Sensorische Prüfung</b>		
Farbe	gelb bis orange	
<b>Physikalische Parameter</b>		
Form (Aggregatzustand)	kristallines Pulver	
Trocknungsverlust	≤ 0,2	%
Schmelzbereich	48,0 – 52,0	°C
<b>Identifikation</b>		
Gehalt	99,0 – 101,0	%
Identifizierung	B (Farbreaktion): eine blaue Färbung tritt ein	
Identifizierung	C (HPLC): entspricht den Vorgaben	
Infrarot Spektroskopie	entspricht dem Standard	
<b>Verunreinigungen</b>		
Glührückstand	≤ 0,1	%
Schwermetalle (als Pb)	≤ 10	ppm
Verunreinigung	Test 1 Test 2: ≤ 1,5	%
Verunreinigung	Test 1: sum of all impurities: ≤ 1,0	%

Verunreinigung	Test 2: sum of all impurities: ≤ 1,0	%
Verwandte Substanzen	CIS-Isomer: ≤ 0,5	%
<b>Restlösemittel</b>		
Restlösemittel	Ethanol: ≤ 1000	ppm
Restlösemittel	Ethyl Acetate: ≤ 100	ppm
Restlösemittel	Hexane: ≤ 20	ppm
<b>Elementare Verunreinigungen</b>		
Arsen (As)	≤ 1	ppm
Cadmium (Cd)	≤ 1	ppm
Quecksilber (Hg)	≤ 0,1	ppm
Blei (Pb)	≤ 1	ppm
<b>Mikrobiologische Daten</b>		
Kolibakterien	≤ 3	
Escherichia Coli.	neg. in 10g	
Salmonellen	neg. in 25g	
Staphylococcus Aureus	neg. in 10g	
Gesamtkeimzahl	≤ 1000	CFU/g
Schimmel und Hefe	≤ 50	CFU/g
<b>Partikelgrößenverteilung</b>		
Partikel	< 100 mesh: ≥ 90	%
Partikel	< 80 mesh: ≤ 100	%

**Zusätzliche Angaben:**

**Mindesthaltbarkeit:** 3 Jahre

**Lagerbedingungen:** Vor Licht schützen und in gut verschlossener Originalverpackung kühl und trocken lagern. Die Temperatur sollte 25 ° C nicht überschreiten.

**Entspricht der Monographie:** USP 41

**regionaler Ursprung:** CN

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 22. Jan. 2020

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