



SPECIFICATION

Product name	Coenzyme Q10
Product code	YYFM01
Production site	Heilongjiang NHU Biotechnology
Trade name	Coenzyme Q10 (EP 8.7/BP2016)
Description	
Ingredients	Ubiquinone; ubidecarenone
Formula	$C_{59}H_{90}O_4$
CAS No	303-98-0
Properties	
Shelf life	36 months after production date in unopened original packaging
Aspect	Yellow or orange, crystalline powder
Solubility	practically insoluble in water, soluble in acetone, very slightly soluble in anhydrous ethanol
Assay (UV)	97,0 % - 103,0 %
Assay (HPLC)	98,0 – 101,0 %
Melting point	About 48 °C
Water content	Max. 0,2 %
Sieve analysis	100 % through sieve no 80 (US)
Identification A, B	A: IR meets the requirement (EP/USP) B: a blue colour appears (USP)
Sulphated ash	Max. 0,1 %
Heavy metals	Max. 10 mg/kg
Arsenic (As)	Max. 1,0 mg/kg
Lead (Pb)	Max. 0,5 mg/kg
Mercury (Hg)	Max. 0,1 mg/kg
Cadmium (Cd)	Max. 0,5 mg/kg
Microbiological specs	
Total plate count	≤ 1000 CFU/g
Mould and Yeast	≤ 100 CFU/g
E. coli	Negative in 10 g
Salmonella spp.	Negative in 25 g



Version: 1.00.0006
Date: 17.02.2025

Residual solvents
Related substances

Meets the requirements
Any impurity: max. 0,5 %
Total impurities: max. 1,0 %
Impurity F: max 0,5 %

Handling

Storage

Coenzyme Q10 is sensitive to light and heat.
Store in an airtight container, protected from light.
Avoid high temperature.

Usage

for cosmetic and food industry

Transport instructions

See our latest safety data sheet

NHU Life Science GmbH

