

## SPECIFICATION

### Coenzyme Q10 (EP 8.7/BP2016)

<b>Production unit</b>	Heilongjiang NHU Biotechnology co., Ltd.
<b>Description</b>	
Ingredients	Ubiquinone; ubidecarenone
Formula	$C_{59}H_{90}O_4$
Product code	YYFM01
CAS No	303-98-0
<b>Properties</b>	
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)	> 99 %
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 mg/kg
Lead (Pb)	Max. 2 mg/kg
Mercury (Hg)	Max. 0,1 mg/kg
Cadmium (Cd)	Max. 1 mg/kg
<b>Microbiological specs</b>	
Total plate count	$\leq 1000$ CFU/g
Mould and Yeast	$\leq 100$ CFU/g
E. coli	Negative in 10 g
Salmonella spp	Negative in 25 g
Residual solvents	Meets the requirements
Related substances	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 EUROPE GmbH**