

## SPECIFICATION

### Coenzyme Q10 (EP 8.7/BP2016)

#### Production unit

Heilongjiang NHU Biotechnology co., Ltd.

#### Description

Ingredients Ubiquinone; ubidecarenone  
Formula  $C_{59}H_{90}O_4$   
Product code YYFM01  
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) > 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

#### Microbiological specs

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**

*Coenzyme Q10/YYFM01/überarbeitet und freigegeben: 230721/av*

Bank account EUR  
Deutsche Bank AG  
DE 53 2407 0075 0019 5222 00  
DEUTDE2H240

Bank account USD  
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DE 53 2407 0075 0019 5222 0005  
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