

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

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 EUROPE GmbH