

TECHNICAL DATA SHEET

Coengy™ Coenzyme Q10

USP36/EP8.0/JP16

Chemical Properties

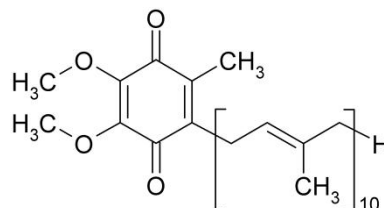
CAS No.: 303-98-0

INCI name: Ubiquinone 10

EINECS No.: 206-147-9

Chemical Formula: C₅₉H₉₀O₄

Molecular Weight: 863.36



Description

Coenzyme Q10 (CoQ10) is a substance that is found naturally in the body and helps convert food into energy. CoQ10 is found in almost every cell in the body, and it is a powerful antioxidant.

Solubility

Easy soluble in water, transparent liquid.

Specification

Item	Specification	Test Method
Appearance	Yellow to orange crystalline powder	Organoleptic
Assay (ubiquinone)	98%~101% 97%~103%	HPLC, USP36/JP16) UV/EP8.0
Identification		
A: IR	Corresponds qualitatively to the reference	EP8.0/USP36/JP16
B: Color Reaction	A blue color appears	USP36/JP16
C: HPLC	Corresponds qualitatively to the reference	EP8.0
Melting Point	48.0°C~52.0°C About 48.0°C	USP36 EP8.0/JP16
Water	Max 0.2%	USP36/EP8.0/JP16
Residue on Ignition	Max 0.1%	USP36/JP16
Sulfated Ash	Max 0.1%	EP8.0/P3175
Particle Size	Min 90% pass 80 mesh	In-house
Heavy Metal	Max 20ppm	USP36/JP16
Lead	Max 3ppm	EU Directive 629/2008
As	Max 2ppm	USP36/EP 8.0
Pb	Max 2ppm	USP36/EP 8.0
Hg	Max 0.1ppm	USP36/EP 8.0
Cd	Max 1ppm	USP36/EP 8.0

Residual Solvents	Must Comply	GC, USP36
Solvent Residue	Ethanol: Max 1000ppm	USP36/EP 8.0
	Ethyl Acetate: Max 100ppm	USP36/EP 8.0
	Hexane: Max 20ppm	USP36/EP 8.0
Impurity F	Max 0.5%	HPLC, EP8.0
Related Substances	Single impurity: Max 0.5%	HPLC, EP8.0
	Sum of all impurities: Max 1.0%	HPLC, EP8.0/JP16
	Test 1: Coenzymes Q7, Q8, Q9, Q11, and	HPLC, USP36
	Related impurities: Max 1.0%	
	Test 2: Ubidecarenone (2Z)-Isomer and	HPLC, USP36
	Related impurities: Max 1.0%	
	Test 1 & Test 2: Sum of all impurities: ≤1.5%	HPLC, USP36
Total Plate Count	Max 1,000cfu/g	USP36<2021>
Yeasts & Molds	Max 50cfu/g	USP36<2021>
Coliforms	Max 3cfu/g	USP36<2021>
<i>E. Coli</i>	Negative/10g	USP36<2022>
<i>Salmonelle</i>	Negative/25g	USP36<2022>
<i>Saureus</i>	Negative/25g	USP36<2022>

Ingredients

Pure Coenzyme Q10

Labeling

In the United States and the European Union: Coengy™ Coenzyme Q10

Applications

1. There's evidence that CoQ10 may help treat heart failure when combined with conventional medications.
2. CoQ10 may lower blood pressure.
3. CoQ10 supplements may improve heart health and blood sugar and help manage high blood pressure in people with diabetes.
4. CoQ10 supplements led to faster healing and tissue repair.
5. Coenzyme Q10 may be of benefit as an ingredient for topical cosmetic products.

Safety

This product is safe for the intended use. Avoid ingestion, inhalation of dust or direct contact by applying suitable protective measures and personal hygiene. See Material Safety Data Sheet for full safety information.

Handling recommendations

Technical measures: Processing in closed systems; avoid dust formation; consider dust explosion hazard; take precautionary measures against electrostatic charging; local exhaust ventilation necessary.

Suitable materials: Stainless steel, aluminium, glass, polyethylene and enamel

Packaging, Storage & Shelf Life

Package	1kg/5kg/25kg (Outer: Aluminum tin; Inner: PE bags); or according to customers' requirements.
Storage	Store in a well-closed container away from moisture and direct sunlight.
Shelf Life	2 years if sealed and stored properly.