

2022/05/12

Product Name	Coenzyme Q10	Pharmacopoeia Name	Ubidecarenone
Conform to USP/EP8.0 standard			
ITEM	SPECIFICATION		TEST METHOD
1. Appearance	Yellow or orange,hygroscopic,crystalline powder		Visual, EP
2. Identification A: IR B:Colour Reaction C: HPLC	Corresponds qualitatively to the reference A blue color appears Corresponds qualitatively to the reference		IR (EP) Colour Reaction(USP) HPLC (EP)
3. Melting Point	48°C-52°C		EP
4. Water	≤0.2%		EP
5. Residue on Ignition	≤0.1%		EP
6. Particle Size	Not less than 90% pass 80 mesh		EP
7. Heavy Metal	Arsenic≤1ppm Cadmium≤1ppm Mercury≤0.1ppm Lead≤1ppm		USP
8. Residual Solvents	Ethanol≤1000ppm, Ethyl Acetate≤100ppm, N-hexane≤1ppm		GC (EP) GC (EP) GC (EP)
9. Chromatographic purity	Test 1 Sum of all impurities: ≤1.0% Test 2: Sum of all impurities ≤1.0% Test 1 & Test 2: Sum of all impurities: ≤1.5%		HPLC
10. Microbial Limit Test			
(1) Standard Plate Count	≤1000cfu/g		EP
(2) Mold and yeast count	≤50cfu/g		EP
(3) Coliforms	≤3cfu/g		EP
(4) E. Coli	Negative/10g		EP
(5) Salmonella	Negative/25g		EP
(6) S.aureus	Negative/25g		EP
11. Content (%)	Not less than 98.0% and not more than 101.0% of C59H90O4 calculated on the anhydrous basis		HPLC

Shelf life(unopened)		36 months		
storage		The product shall be contained in the unopened original package, protected from light in a dry place at low temperature($\leq 25^{\circ}\text{C}$).Once it opened, please use it up in a short time		
Nutritional Information(Per 100g of Raw material)				Manufacturing process
ITEM	UNIT	VALUE		Fermentation ↓ Extraction ↓ Separation ↓ Concentration ↓ Silica Gel Chromatography ↓ Concentration ↓ Drying ↓ Crystallization ↓ Drying ↓ Pulverization ↓ Sieving ↓ Product
1. Energy	Kcal	1		
2. Protein	g	0.1		
3. Total Fat	g	0.1		
4. Carbohydrates	g	1		
5. Cholesterol	g	0		
6. Total Fiber	g	0		
7. Sodium	mg	0		
Packing	1kg	Outer: Aluminum tin; inner PE bags		
	5kg	Outer: Aluminum tin; inner PE bags		
	25kg	Outer: Fiber drum; inner PE bags		
Item	Assay	Obtaining Route	Strain	Origin
Coenzyme Q10	>99.0%	Microbial	Rhodobacter	China
CIS-Isomer		Fermentation	Sphaeroides	
This product does not contain and is not manufactured using raw materials, reagents organization from GMO or GMO derived product.		This product is produced by allergen free materials, so it is free from allergen		No animal material is contained during the whole production process and this product is free of BES/TSE