

Specification of Coenzyme Q10

Product: Coenzyme Q10

Type: Food Grade

Package:5KG/Tin

ITEM	SPECIFICATION	TEST METHOD
1. Appearance	Yellow to orange crystalline powder	Visual, EP8.0
2. Identification A: IR B: Color Reaction C: HPLC	Corresponds qualitatively to the reference A blue color appears Corresponds qualitatively to the reference	IR (EP8.0) Color Reaction (USP) HPLC (EP8.0)
3. Melting Point	48.0°C-52.0 °C	USP <741>
4. Water	≤ 0.2%	KF (USP <921>)
5. Residue on Ignition	≤ 0.1%	USP <281>
6. Particle Size	Not less than 90% pass 80 mesh	USP <786>
7. Heavy Metal	≤ 10ppm	USP <231>
8. Arsenic	≤ 1ppm	AFS
9. Lead	≤ 1ppm	
10. Mercury	≤ 0.1ppm	
11. Cadmium	≤ 1ppm	
12. Residual Solvents	Ethanol ≤ 1000ppm Ethyl Acetate ≤ 100ppm N-hexane ≤ 1ppm	GC (USP <467>)
13. 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 (USP)
14. Related Substances	Single impurity: not more than 0.5% Sum of all impurities: not more than 1.0%	HPLC (EP8.0)
15. Impurity F	≤ 0.5%	EP8.0
16. Microbial Limit Test		
(1) Standard Plate Count	≤ 1000cfu/g	USP <2021>
(2) Yeast & Mold	≤ 50cfu/g	USP <2021>
(3) Coliforms	≤ 3MPN/g	CP2015 P143
(4) E. Coli	Negative/10g	USP <2022>
(5) Salmonella	Negative/25g	USP <2022>
(6) S.aureus	Negative/25g	USP <2022>
17. Content (%)	Not less than 98.0% and not more than 101.0% of C ₅₉ H ₉₀ O ₄ calculated on the anhydrous basis	HPLC (USP)

Shelf Life: 36 months

The product shall be contained in the unopened original package, protected from light in a dry place at low temperature (≤25°C). Once it opened, please use it up in a short time.