

Shanghai Exquisite Biochemical Co.,Ltd



CERTIFICATE OF ANALYSIS
Coenzyme Q10 (Ubidecarenone)

CAS No.303-98-0

Product Code: R701

Lot No. SZFQ200741

Items	Specifications	Results	Methods
Description	Yellow-orange crystalline powder	Orange crystalline powder	
Melting point	48°C~52°C	50.0°C~50.5°C	USP <741>
Solubility	Soluble in ether, trichloromethane and acetone; very slightly soluble in dehydrated alcohol; practically insoluble in water	Conform	
Identification IR	Sample spectrum consistent with the spectrum for USP Reference Standard	Conform	USP <197K>
Color reaction	A blue color appears	Conform	
Sieve	100% pass 80 mesh 90% pass 100 mesh	Conform	USP <786>
Tapped Density	0.40g/ml~0.60g/ml	0.49g/ml	USP <616> I
Water (KF)	≤0.20%	0.02%	USP <921> IC
Residue on ignition	≤0.10%	0.07%	USP <281>
Heavy metals	≤10ppm	<10 ppm	USP <231> II
Lead (Pb)	≤0.5ppm	<0.5ppm	USP <2232>
Mercury (Hg)	≤0.1ppm	<0.1ppm	
Cadmium (Cd)	≤0.5ppm	<0.5ppm	
Arsenic(As)	≤1.0ppm	<1.0ppm	
Chromatographic Purity			USP <621>
Coenzymes Q7, Q8, Q9, Q11 and related impurities	≤1.0%	0.89%	
Ubidecarenone (2Z)-isomer and related impurities	≤0.5%	0.22%	
Total impurities	Total 1 & 2: ≤1.5%	1.1%	
Residual Solvents			USP <467>
Methanol	≤3000ppm	5ppm	
n-Hexane	≤290ppm	Not detected	
Ethanol	≤5000ppm	39ppm	
Isopropyl ether	≤300ppm	Not detected	
Assay (on the anhydrous basis)	98.0~101.0%	99.5%	USP <621>
Microbial limit test			
Total Aerobic Microbial Count	≤1000cfu/g	<10cfu/g	USP <2021>
Yeast & Mold Count	≤50cfu/g	<10cfu/g	USP <2021>
E. coli	Absent/10g	Not detected	USP <2022>
Salmonella	Absent /25g	Not detected	USP <2022>
Bile-tolerant gram negative bacteria	≤10MPN/g	< 10MPN/g	USP <2021>
Staphylococcus aureus	Absent /25g	Not detected	USP <2022>
Pseudomonas aeruginosa	Absent /10g	Not detected	USP <62>

The product is Non-irradiated and ETO- free, NON-GMO, Pesticide free.

Storage: Preserve in well-closed, light-resistant containers, not more than 25°C. Keep it out of direct sunlight and away from heat source.

Test Standard: The current USP

Manufacture Date: Jul.22,2020

Retest Date: Jul.21,2023

Packaging Date: Jul.24,2020

Lot size: 500kg

Country of Origin: China

QC DIRECTOR: Wang Ruikui ANALYSED BY: Ai Guojing

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