



西安绿泉科技有限公司

XI'AN GREEN SPRING TECHNOLOGY CO.,LTD.

CERTIFICATE OF ANALYSIS

Product Name	CoenzymeQ10(Ubiquinone)	Package:	5kg/Aluminum Tin
Batch No.	210605	Quantity of Product	750kg
Manu.Date:	Jun.5.2021	Report Date:	Jun.5.2021
Expiry Date:	Jun.5.2023	Test Standard:	USP42-NF37

ANALYSIS	SPECIFICATION	RUSULT
Identification		
A.IR	Corresponds qualitatively to the reference	Complies
B.Chemical Reaction	A blue color appears	Positive
Appearance	Yellow-orange crystalline powder	Orange crystalline powder
Melting point	48°C~52°C	50.0°C~50.5°C
Sieve	100% pass 80 mesh,90% pass 100 mesh	Complies
Tapped density	0.40g/mL~0.60g/mL	0.46g/mL
Water(KF)	≤0.20%	0.03%
Residue on ignition	≤0.10%	0.03%
Heavy metals	≤10ppm	<10ppm
Lead(Pb)	≤1.0ppm	0.03ppm
Mercury(Hg)	≤1.0ppm	<0.01ppm
Cadmium(Cd)	≤3.0ppm	<0.01ppm
Arsenic(As)	≤3.0ppm	<0.01ppm
Residual Solvents	Ethanol≤1000ppm	80
	Ethyl Acetate≤100ppm	<7.2
	N-Hexane≤20ppm	<0.1
Chromatographic purity	The single related impurities≤0.30%	0.25
	Test 1:Coenzymes Q7,Q8,Q9,Q11 and related impurities≤1.0%	0.48
	Test2:Z isomer and related impurities≤1.0%	0.12
	Test 1 and Test 2≤1.5%	0.60
Assay	98.0%~101.0%(on the anhydrous basis)	99.6%
Total bacterial count	≤1000cfu/g	20cfu/g
Yeast&Mold	≤100cfu/g	<10cfu/g
Coliforms	<3MPN/g	<3MPN/g
E.Coli	Negative	Negative
Salmonella	Negative/25g	Negative/25g
S. aureus	Negative/25g	Negative/25g
Pseudomonas aeruginosa	Negative	Negative
Conclusion	It meets the requirement of USP.	

Storage:store in tightly closed original container,protected from light, in a dry place at low temperature(≤25°C)