

Certificate of Analysis

Product Information			
Product Name	Coenzyme Q10	Report Number	COL20210443
Batch Number	COL210418	Manufacture Date	2021/04/18
Batch Quantity	200Kg	Expiry Date	2023/04/17
Test Items	Specifications	Result	Test Methods
Active Ingredients			
Assay	98.0%~101.0%	99.22%	HPLC
Physical & Chemical Data			
Appearance	Yellow to Orange Crystalline Powder	Conforms	Visual
Identification A: IR	Corresponds qualitatively to the reference	Conforms	USP41-NF36
Identification B: Color	A blue color appears	Conforms	USP41-NF36
Identification C: HPLC	Corresponds qualitatively to the reference	Conforms	USP41-NF36
Sieve Analysis	90% through 80 mesh	Conforms	80 Mesh Screen
Water(KF)	≤0.2%	0.03%	USP41-NF36
Residue on ignition	≤0.1%	0.01%	USP41-NF36
Contaminants			
Lead (Pb)	<1.0mg/kg	Conforms	ICP-MS
Arsenic (As)	<1.0mg/kg	Conforms	ICP-MS
Cadmium (Cd)	<1.0mg/kg	Conforms	ICP-MS
Mercury (Hg)	<0.1mg/kg	Conforms	ICP-MS
Residue Solvents			
Ethanol	≤1000ppm	56ppm	USP41-NF36
Ethyl Acetate	≤100ppm	7.2ppm	USP41-NF36
N-Hexane	≤1ppm	0.1ppm	USP41-NF36
Chromatographic Purity			
Test 1	Coenzyme,Q7,Q8,Q9, Q11 and related impurities: ≤1.0%	0.56%	USP41-NF36
Test 2	2Z isomer all related impurities ≤ 1.0%	0.11%	USP41-NF36
Test 3	Test 1 and Test 2 ≤1.5%	0.67%	USP41-NF36
Microbiological			
Total Aerobic Count	≤1000cfu/g	20cfu/g	GB 4789.2
Yeast & Moulds	≤100cfu/g	10cfu/g	GB 4789.15
E-Coli	Negative	Conforms	GB 4789.3
Salmonella	Negative	Conforms	GB 4789.4
Staphylococcus Aureus	Negative	Conforms	GB 4789.10
Conclusion			
Conclusion	To be complied with in-house Specification		
Shelf Life	2 years when properly stored.		
Storage	Store in cool & dry place, not freeze. Keep away from strong light.		

Remarks: This product is natural, the color vary from batch to batch.

Tested by: 张丽娟

Checker: 李明

Approved:

