

CERTIFICATE OF ANALYSIS

Product Name	Coenzyme Q10	Batch No	PY-CO20200822
Quantity	500KG	Analysis Date	Aug.25,2020
Mfg. Date	Aug.22,2020	Exp. Date	Aug.21,2023
Package	5kg/Bag	Standard	USP40/EP8.0/JP17

No.	Item	Specification	Result
1.	Description	Yellow to orange yellow crystalline powder	Complies
2.	Identification	IR:Corresponds qualitatively to the reference Color Reaction: A blue color appears HPLC: Corresponds qualitatively to the reference	Complies Positive Complies
3.	Melting Point	48.0-52.0℃	51.0-52.0℃
4.	Water	≤0.2%	0.02%
5.	Particle Size	Not less than 90% pass 80 mesh sieve	Complies
6.	Residue on Ignition	≤0.1%	0.03%
7.	Assay	Not less than 98.0% and not more than 101.0% of C ₅₉ H ₉₀ O ₄ calculated on the anhydrous basis	100.6%
8.	Residue Solvents	Ethanol≤1000ppm Ethyl Acetate≤100ppm N-hexane≤1ppm	32ppm <7.2ppm <0.1ppm
9.	Chromatographic Purity	Test1:Sum of all impurities≤1.0% Test2:Sum of all impurities≤1.0% Test1&Test2:Sum of all impurities≤1.5%	Complies Complies Complies
10.	Impurity F	≤0.5%	Complies
11.	Related Substances	Single impurity: not more than 0.5% Sum of all impurities: not more than 1.0%	Complies Complies
12.	Heavy Metals	≤10ppm	<10ppm
13.	Pb	≤1ppm	<1ppm
14.	As	≤1ppm	<1ppm
15.	Cd	≤1ppm	<1ppm
16.	Hg	≤0.1ppm	<0.1ppm
17.	Total Plate Count	≤1,000cfu/g	<10cfu/g
18.	Yeasts & Molds	≤50cfu/g	<10cfu/g
19.	Coliforms	≤3cfu/g	<3cfu/g
20.	E.Coli	Negative	Negative
21.	Salmonella	Negative	Negative

22.	S.aureus	Negative	Negative
23.	Conclusion	Conform with the USP40/EP8.0/JP17 Standard.	

Analyst: xuli QC: lixiaochen