

CERTIFICATE OF ANALYSIS

Coenzyme Q10 USP + EP

Batch No.: CFM-C-A405885 Manufacture Date: 20241016 Expiry Date: 20271015

ITEMS	SPECIFICATION	METHOD	TEST RESULTS
Physical&Chemical Data			
Color	Yellow to Orange	Organoleptic	Conform
Odor & taste	No unpleasant smell, No special odor	Organoleptic	Conform
Appearance	Crystalline powder	Organoleptic	Conform
Analytical Quality			
Identification	Infrared absorption	EP8.0<2.2.24>	Conform
	Examine the chromatograms obtained in the test for related substances	EP8.0<2.2.29>	Conform
Coenzyme Q-10	97.0%~103.0%	EP8.0<2.2.25>	98.27%
Sieve analysis	100% through 80 mesh	EP8.0 <2.9.34>	Conform
Impurity F	≤0.5%	EP8.0<2.2.29>	0.45%
Any Impurity	≤0.5%	EP8.0<2.2.29>	0.42%
Total impurities	≤1.0%	EP8.0<2.2.29>	0.87%
Disregard limit	≤0.05%	EP8.0<2.2.29>	Conform
Water(KF)	≤0.2%	EP8.0<2.5.12>	0.05%
Sulphated ash	≤0.1%	EP8.0<2.4.14>	0.01%
Solubility test	Practically insoluble in water, soluble in acetone, Very slightly soluble in ethanol	Organoleptic	Conform
Melting point	About 48 °C	EP8.0<2.2.14>	48.5 °C~49.5 °C
Contaminants			
Lead (Pb)	≤3.0 mg/kg	Eur.Ph.8.0 <2.2.58>ICP-MS	0.0149 mg/kg
Arsenic (As)	≤1.0 mg/kg	Eur.Ph.8.0 <2.2.58>ICP-MS	<0.01 mg/kg
Cadmium (Cd)	≤1.0 mg/kg	Eur.Ph.8.0 <2.2.58>ICP-MS	<0.01 mg/kg
Mercury (Hg)	≤0.1 mg/kg	Eur.Ph.8.0 <2.2.58>ICP-MS	<0.01 mg/kg
Methanol	≤3000 mg/kg	Eur.Ph.8.0 <2.4.24>	Conform
n-hexane	≤290 mg/kg	Eur.Ph.8.0 <2.4.24>	Conform
Ethanol	≤5000 mg/kg	Eur.Ph.8.0 <2.4.24>	Conform
Solvents Residue	Meet Eur.Ph. <2.4.24>	Eur.Ph. <2.4.24>	Conform
Pesticides Residue	Meet Eur.Ph. <2.8.13>	Eur.Ph. <2.8.13>	Conform
Microbiological			
Total Plate Count	≤10000 cfu/g	Eur.Ph.8.0 <2.6.12>	10 cfu/g
Yeast & Mold	≤100 cfu/g	Eur.Ph.8.0 <2.6.12>	10 cfu/g
Bile-tolerant gram-negative bacteria	≤100cfu/g	Eur.Ph.8.0 <2.6.12>	Conform
E.Coli	Negative	Eur.Ph.8.0 <2.6.13>	Conform
Salmonella	Negative	Eur.Ph.8.0 <2.6.13>	Conform
Staphylococcus aureus	Negative	Eur.Ph.8.0 <2.6.13>	Conform
Pseudomonas aeruginosa	Negative	Eur.Ph.8.0 <2.6.13>	Conform
General Status			
Non-Irradiation	≤700	EN <13751:2002>	359
Packing&Storage			
	Packed in paper-drum/box and two aluminum bottles inside; N.W:5kgs per aluminum bottle, 10kgs per drum/box Store in a well-closed container. Away from moisture,light, oxygen.		
Shelf life			
	36 months under the conditions above and in its original packaging.		
Manufacturer			
	Shaanxi Jiahe Phytochem Co., Ltd. Xi'an, P.R. China.		

Quality Assurance Officer



Corrector



Analyst



No: STP-QCP-4 (215)