

**CERTIFICATE OF ANALYSIS****Coenzyme Q10 USP + EP****Batch No.: CFM-C-A473282 Manufacture Date: 20240408 Expiry Date: 20270407**

ITEMS	SPECIFICATION	METHOD	TEST RESULTS
<b>Physical&amp;Chemical Data</b>			
Color	Yellow to Orange	Organoleptic	Conform
Odor & taste	No unpleasant smell, No special odor	Organoleptic	Conform
Appearance	Crystalline powder	Organoleptic	Conform
<b>Analytical Quality</b>			
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>	98.20%
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>	0.43%
Total impurities	≤1.0%	EP8.0<2.2.29>	0.88%
Disregard limit	≤0.05%	EP8.0<2.2.29>	Conform
Water(KF)	≤0.2%	EP8.0<2.5.12>	0.01%
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
<b>Contaminants</b>			
Lead (Pb)	≤3.0 mg/kg	Eur.Ph.8.0 <2.2.58>ICP-MS	<0.01 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
<b>Microbiological</b>			
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
<b>General Status</b>			
Non-Irradiation	≤700	EN <13751:2002>	219
<b>Packing&amp;Storage</b>			
	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.		
<b>Shelf life</b>			
	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)