



NUTRITIONAL INGREDIENT · IMPORTED

Coenzyme Q10

Ubidecarenone · CAS 303-98-0 · C₅₉H₉₀O₄ · USP-NF 2023 / EP 8.0 / BP 2016 / JP 17

COUNTRY OF ORIGIN

CHINA

RESULT

Conforms

CHEMICAL NAME Ubidecarenone (Coenzyme Q10)	CAS NO. 303-98-0	GRADE USP Grade	STANDARD USP-NF 2023 / EP 8.0 / BP 2016 / JP 17
COUNTRY OF ORIGIN China (People's Republic of China)	MFG. DATE 28 April 2026	EXP. DATE 27 April 2029	LOT QUANTITY 250 kg

S.NO	PARAMETER	SPECIFICATION	METHOD	RESULT
1.0	DESCRIPTION & IDENTIFICATION			
1.1	Appearance	Yellow or orange crystalline powder	Organoleptic	Complies
1.2	Solubility	Soluble in ether and acetone; very slightly soluble in dehydrated alcohol; practically insoluble in water. Gradually decomposes and darkens on exposure to light.	USP	Complies
1.3	Identification A — Infrared	Corresponds qualitatively to the reference standard	By IR	Complies
1.4	Identification B — Colour reaction	A blue colour appears	Colour reaction	Positive
1.5	Identification C — Chromatographic	Retention time of the principal peak of the test solution corresponds to that of reference solution (a)	By HPLC	Complies
2.0	PHYSICAL & ANALYTICAL DATA			
2.1	Melting point	48.0 °C — 52.0 °C	USP <741>	51.0–52.0 °C
2.2	Water content	NMT 0.2% w/w	USP <921>	0.02% w/w
2.3	Residue on ignition	NMT 0.1% w/w	USP <281>	0.03% w/w
2.4	Particle size	NLT 90% passing 80 mesh	Sieve analysis	Complies
3.0	ASSAY & PURITY			
3.1	Content (Ubidecarenone)	NLT 98.0% and NMT 101.0% of C ₅₉ H ₉₀ O ₄ , calculated on the anhydrous basis	By HPLC	99.60%
3.2	Chromatographic purity — Test 1 (sum of all impurities)	NMT 1.0%	By HPLC	0.50%
3.3	Chromatographic purity — Test 2 (sum of all impurities)	NMT 1.0%	By HPLC	0.03%
3.4	Chromatographic purity — Test 1 & 2 combined	NMT 1.5%	By HPLC	0.53%
3.5	Related substances	Single impurity NMT 0.5%; sum of all impurities NMT 1.0%	By HPLC	Complies
3.6	Impurity F	NMT 0.5%	By HPLC	Complies
4.0	HEAVY METALS			
4.1	Total heavy metals (ppm)	NMT 10.0	USP <231>	< 10 ppm
4.2	Arsenic (ppm)	NMT 1.0	USP <233>	Complies
4.3	Lead (ppm)	NMT 1.0	USP <233>	Complies
4.4	Mercury (ppm)	NMT 0.1	USP <233>	Complies
4.5	Cadmium (ppm)	NMT 1.0	USP <233>	Complies
5.0	RESIDUAL SOLVENTS			
5.1	Ethanol (ppm)	NMT 1,000	USP <467>	20 ppm
5.2	Ethyl acetate (ppm)	NMT 100	USP <467>	< 7.6 ppm
5.3	n-Hexane (ppm)	NMT 1.0	USP <467>	< 0.01 ppm
6.0	MICROBIOLOGICAL ANALYSIS			
6.1	Standard plate count (cfu/g)	NMT 1,000	USP <61>	< 10 cfu/g
6.2	Yeast & mould (cfu/g)	NMT 50	USP <61>	< 10 cfu/g
6.3	Coliforms (MPN/g)	NMT 3	USP <62>	< 3 MPN/g
6.4	Escherichia coli	Negative / 10 g	USP <62>	Negative
6.5	Salmonella sp.	Negative / 25 g	USP <62>	Negative
6.6	Staphylococcus aureus	Negative / 25 g	USP <62>	Negative

Remarks: The product Coenzyme Q10 (Ubidecarenone) conforms to the above specifications and complies with the requirements of USP-NF 2023 / EP 8.0 / BP 2016 / JP 17. **This material is of Chinese origin and is imported from China.**

* Coenzyme Q10 is light-sensitive; protect from light and store in tightly closed original containers.

ORIGIN & SUPPLY CHAIN Country of Origin: CHINA . The product is manufactured in the People's Republic of China and is imported from China. SV Botanica Private Limited supplies this material as a merchant exporter and is not the manufacturer.	
PACKING 5 kg net per drum · 2 drums per carton · lot quantity 250 kg	TREATMENT Non-irradiated · Not treated with Ethylene Oxide (ETO)
STATUS Non-GMO · BSE/TSE-free · Free from allergens (Reg. EU No. 1169/2011)	SHELF LIFE & STORAGE 36 months from manufacture in original packed condition. Store in a tightly closed original container, protected from light, in a dry place at NMT 25 °C.

