

Coenzyme Q10

TECHNICAL DATA SHEET

Coenzyme Q10 (ubidecarenone) is a fat-soluble crystalline ingredient for nutrition and personal care formulations.

CAS No.	303-98-0
Synonym	Ubidecarenone
Physical form	Yellow to orange crystalline powder; Odorless and no taste

Product Information

Coenzyme Q10, also called ubiquinone or ubidecarenone, is a fat-soluble ingredient supplied as yellow to orange crystalline powder. The crystalline form is used in nutrition capsules, ingredient premixes and compatible oil-based or emulsion formulations.

Specifications

Parameter	Specification
Spec.	USP43
Description	Yellow to orange crystalline powder; Odorless and no taste
Identification	IR
Loss on drying	≤0.2%
Residue on Ignition	≤0.1%
Heavy metal, ppm	≤10ppm
Chromatographic Purity	Coenzymes Q7,Q8,Q9,Q11 and related impurities ≤1.0%; Ubidecarenone (2z) - Isomer and related impurities: ≤1.0%; Total impurities: ≤1.5%.
Assay (Coenzyme Q10)	98.0%-101.0%

Typical values. The COA of each batch prevails.

Typical Properties & Commercial Information

MOQ	500 kg
Packing	25 kg/bag
Lead time	Approximately 14 days
Free sample	10–50 g
Incoterms	FOB / CFR / CIF
Supply service	Bulk ingredient supply
HS Code	2914.62 (for reference)

Free samples: 10–50 g for formulation testing. Courier cost payable or use your courier account.

Applications

Nutrition capsules: Capsule and softgel formulations with a compatible carrier.

Ingredient premixes: Nutrition ingredient premixes with suitable powder handling and dispersion.

Personal care: Oil-based and emulsion formulations with a compatible lipid phase.

Packaging & Storage

Packaging	25 kg/bag
Shelf life	Two years, in unopened original packaging.
Container loading	Qty in 20' FCL: 8MTS(with pallets)
Storage	Keep tightly closed in a cool, dry place, protected from strong light and heat. Follow the storage temperature specified on the batch label.
Handling	Use clean, dry tools during handling. Reseal opened packaging promptly to protect the material from moisture and contamination.

Certifications & Documents

KOSHER · HACCP · FSSC 22000 · HALAL · ISO 9001 · ISO 22000

COA for each batch, TDS and SDS. Certificate availability depends on the product, grade and manufacturing site.

Company Contact

Supplier: Hainan Zhongxin Chemical Co., Ltd. (ZXCHEM)

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The agreed purchase specification and the COA of each batch govern supply.