

COENZYME Q10

Pure by Nature, Life by Science

HANGZHOU PURELIFE BIOTECH CO., LTD

Premium Coenzyme Q10 Manufacturer & Innovation Leader

WHAT IS COENZYME Q10?

Coenzyme Q10 (CoQ10), also known as ubiquinone, is a naturally occurring compound found in every cell of the human body. It plays a crucial role in cellular energy production (ATP) and acts as a powerful antioxidant. CoQ10 levels naturally decline with age, making supplementation increasingly important for maintaining optimal health and vitality.

Chemical Name: Ubidecarenone | **Formula:** C₆₀H₈₄O₄ | **MW:** 863.34 g/mol | **CAS:** 303-98-0

KEY BENEFITS

- **Cellular Energy Production:** Essential for mitochondrial ATP production
- **Powerful Antioxidant:** Protects cells from oxidative stress
- ♥■ **Cardiovascular Health:** Supports healthy heart function
- **Neuroprotective Support:** Supports brain health
- **Physical Performance:** Reduces exercise-induced fatigue
- **Anti-Aging Benefits:** Promotes healthy aging

WHY CHOOSE PURELIFE BIOTECH?

- **Premium Quality:** 98.0%-101.0% purity (USP-NF 2025 compliant)
- **Science-Driven:** Advanced fermentation technology, 15+ years R&D;
- **Natural & Sustainable:** Bio-identical CoQ10, Non-GMO options
- **Reliable Supply:** 100+ tons/year, exported to 50+ countries

CERTIFICATE OF ANALYSIS SUMMARY - BATCH 20260403

PRODUCT SPECIFICATIONS (USP-NF 2025)

Parameter	Specification	Result
Description	Yellow-orange crystalline powder	Complies
Melting Point	48-52	48.9-51.9
Identification A (IR)	Similar with reference standard	Complies
Identification B	Meets USP requirements	Complies
Water (KF)	≤0.20%	0.02%
Residue on Ignition	≤0.10%	0.04%
Heavy Metals	≤10 ppm	Complies

Assay (anhydrous basis)	98.0%-101.0%	98.2%
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HEAVY METALS

Parameter	Specification	Result
Lead (Pb)	≤3.0 ppm	Complies
Mercury (Hg)	≤0.1 ppm	Complies
Cadmium (Cd)	≤1.0 ppm	Complies
Arsenic (As)	≤2.0 ppm	Complies

CHROMATOGRAPHIC PURITY (USP <621>)

Parameter	Specification	Result
Coenzymes Q7,Q8,Q9,Q11 and related impurities	≤1.0%	0.10%
Ubidecarenone (2Z)-isomer and related impurities	≤1.0%	0.70%
Total Impurities	≤1.5%	0.80%

RESIDUAL SOLVENTS (USP <467>)

Parameter	Specification	Result
Ethanol	≤5000 ppm	Not Detected

MICROBIOLOGICAL TESTING

Parameter	Specification	Result
Total Aerobic Microbial Count	≤1000 CFU/g	Complies
Yeast & Mold Count	≤100 CFU/g	Complies
E. coli	Absent/10g	Complies
Salmonella	Absent/25g	Complies
Listeria Monocytogenes	Absent/25g	Complies
Bile-tolerant Gram Negative	≤10 MPN/g	Complies
S. aureus	Absent/25g	Complies
P. aeruginosa	Absent/10g	Complies

■ CONCLUSION: COMPLIES USP-NF 2025

Batch No.: 20260403 | Manufacture Date: 2026-APR-03 | Expiry Date: 2028-APR-02 | Quantity: 250 KGS

PRODUCT FORMS AVAILABLE

Form	Description	Applications
Ubiquinone	Oxidized form, stable	General supplements
Ubiquinol	Reduced form, enhanced absorption	Premium supplements
Water-Soluble	Enhanced bioavailability	Beverages
Oil-Based	In MCT or olive oil	Softgels

APPLICATIONS

- **Dietary Supplements:** Capsules, tablets, softgels
- **Functional Beverages:** Energy drinks, wellness shots
- **Food & Nutrition:** Fortified foods
- **Cosmetics:** Anti-aging skincare
- **Pet Nutrition:** Senior pet supplements
- **Pharmaceutical:** Cardiovascular medications

PACKAGING & STORAGE

Packaging: 1kg/bag vacuum sealed | 5kg/25kg paper-drum with double PE bag | Nitrogen flushing available
Storage: Cool & dry place | Do not freeze | Protect from light and heat | Shelf life: 2 years

QUALITY STANDARDS COMPLIANCE

■ USP-NF 2025 | ■ ChP 2025 | ■ EP | ■ JP | ■ FCC | ■ GMP | ■ ISO 22000 | ■ HACCP | ■ Kosher | ■ Halal

CONTACT US

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