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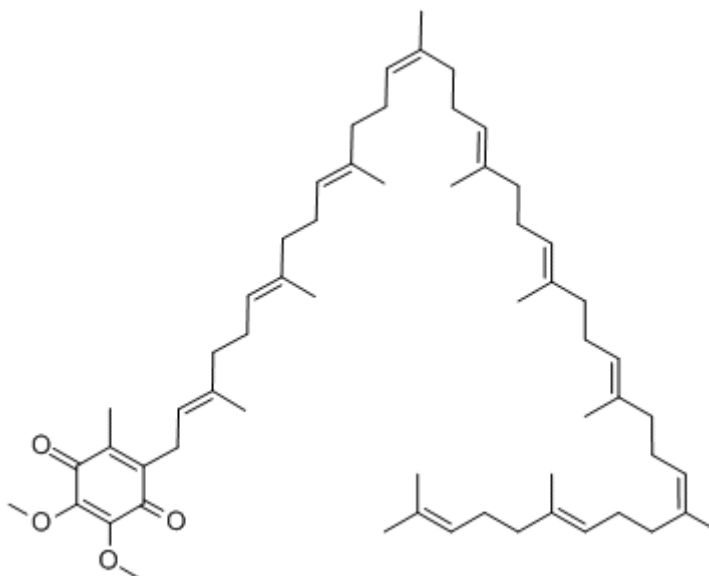
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Technical Data Sheet

Coenzyme Q10

Product Information

Chemical Name	Coenzyme Q10
CAS #	303-98-0
Formula	C ₅₉ H ₉₀ O ₄
Molecular Weight	863.34
Synonyms	LABOTEST-BB LT00244787;COQ10;COENZYME Q10;Q-10;Q10 COENZYME;UBIDECARENONE;UBIQUINONE;UBIQUINONE-10
Chemical Structure	



Description

Yellow or orange yellow crystalline powder ; odorless; easy decomposition with light. Can be widely used in food, cosmetics , dietary supplements and other industries. Coenzyme, is also an important antioxidant and immune enhancer.

Physical Properties

Melting point, °C . 49-51 °C

Specification

Items	Specification
Appearance	Yellow to orange crystalline powder
Identification	A: IR Corresponds qualitatively to the reference B: Color reaction Positive C: HPLC corresponds qualitatively to the reference
Melting Point	48.0°C ~ 52.0°C
Water	≤0.2%
Residue on ignition	≤0.1%
Heavy metal	≤10ppm
Residual solvents	Complies with standard
Chromatographic purity	Sum of all impurities ≤1.0% Single impurity ≤0.3%
Assay	98.0% ~ 101.0%

Safety

Always refer to the Material Safety Data Sheet (MSDS)

Applications

1. Anti-Aging

Decreased immune function of increasing age is the result of free radicals and free radical reactions, coenzyme Q10 as a powerful antioxidant alone or in combination with Vitamin B6 (pyridoxine) in combination inhibited the free radicals and cell receptors on immune cells differentiation and activity of microtubule associated modification system, strengthen the immune system, delay aging

2. Anti oxidant

Q10 naturally prevents our body and cells from free radicals damage and works as a shield against harmful effects.

3. Muscles are also in need of this enzyme, due to its energy boosting quality. Experiments proved that people who had a balanced Q10 level were more energetic and vigorous

4. Heart-related problems It is proven helpful in treating heart-related problems such as congestive heart failure and to lower high blood pressure.

5. Improves immunity and can dramatically slow tumor growth.

6. Beauty

Long-term use of coenzyme Q10 to prevent aging skin and light to reduce wrinkles around the eye, as coenzyme Q10 can penetrate into the skin growth layer of oxidation of reduced photon in tocopherol can start the help of specific phosphorylation of tyrosine kinase to prevent oxidative damage to DNA, inhibition of UV irradiation of human dermal fibroblast collagenase expression, protect the skin from injury, has significant antioxidant, anti-aging effect.

Packaging

25kg per fiber drum
9mt per 20ft container

Storage & Handling

Do not store in direct sunlight. Store in a tightly closed container.

Store in a cool, dry, well-ventilated area away from incompatible substances.

Wash thoroughly after handling. Use with adequate ventilation. Minimize dust generation and accumulation. Avoid breathing dust, vapor, mist, or gas. Avoid contact with skin and eyes. Keep container tightly closed. Avoid ingestion and inhalation.

Always refer to the Material Safety Data Sheet (MSDS) for detailed information on handling and disposal.

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchant ability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall we be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if we has been advised of the possibility of such damages.

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