

Coenzyme Q-10

INCI Name: Coenzyme Q10

CAS Numbers: 303-98-0

Description:

Also called Ubiquinone, Coenzyme Q10 is a potent antioxidant naturally produced by the body and important to cell functioning and development. Ubiquinone naturally decreases with aging, and it is used in cosmetics and personal care products (in a wide variety of formulas) as an anti-aging ingredient. Applied topically, Ubiquinone is thought to penetrate the skin easily, and reduce free radical damage via its antioxidant properties. It is also been found to assist cells in building collagen and elastin, therefore reducing the appearance of fine lines and wrinkles. Ubiquinone also has properties that allow it to prevent or reduce oxidative damage to tissues, and may be more effective than Vitamin E at preventing this damage.



Technical Data:

<u>Physical</u>	<u>Specification</u>
<u>Method</u>	
Appearance	Yellow to orange crystalline powder
Identification	Passes test A & B
<u>Composition</u>	
Assay	98.0% ~ 102.0%
Water	NMT 0.2%
Residue on ignition	NMT 0.1%
Chromatographic purity	Test 1: NMT 1.0% Test 2: NMT 1.0% Sum of test 1 & 2: NMT 1.5%
<u>Safety</u>	
Heavy metal	NMT 0.002%
<u>Additional Testing</u>	
Particle size	NLT 90% through 60 mesh
<u>Microbiology</u>	
Total plate count	≤ 3,000 cfu/g
Yeast and mold	≤ 300 cfu/g
E. coli	Negative
Salmonella	Negative

Applications:

Applications for Coenzyme Q10 include anti-aging & anti-wrinkle products, pre/after sun lotions, hydrating /rejuvenating & moisturizing skin care products, eye wrinkle treatment.



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