

# Lotioncrafter

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## Coenzyme Q10

### INCI: Squalane, Ubiquinone

#### DESCRIPTION

Coenzyme Q10 has a high content of ubiquinone 50 (coenzyme Q10) mixed with vitamin E acetate (dl-alpha-tocopheryl acetate) and is dissolved in plant-derived squalane.

Coenzyme Q10 is a fat-soluble vitamin-like substance present in every cell of the human body. It serves as a coenzyme vital to production of energy within cells. It is also a very powerful antioxidant or free radical scavenger. Synthesized by the human body, it starts out at low levels when we are very young, reaches its peak in our young adulthood and shows a gradual decline after the age of 20, even as the body's demand for it grows. Topically applied, CoQ10 can penetrate the cell layers of the skin and may attenuate the depth of wrinkles due to photo aging, as well as epithelial cell turnover. Keratinocyte cells make up the majority of human skin cells and CoQ10 has been shown to protect these skin cells from oxidative DNA damage induced by ultraviolet light. CoQ10 supports the body's natural defense mechanism against the damaging effects of free radicals, particularly the lipid per oxidation in skin. It is a useful cosmetic ingredient for skin care and sun protection products.

#### BENEFITS

- Adds silky softness to hair
- Improves water repellency
- Improves spreadability and provides lubricity
- Adds shine to hair formulations

#### APPLICATIONS

Skin Care: Lotions, Creams, Gels, and Sunscreens

#### SUGGESTED USAGE RATES: 1% - 3%

#### TYPICAL PROPERTIES

|                     |  |
|---------------------|--|
| Color               | Clear, orange-colored, slightly viscous, oily liquid |
| Solvent             | Squalane   |
| Odor                | Characteristic, low to no odor                       |
| Solubility in Water | Not Soluble, soluble in oil                          |

|                     |   |
|---------------------|---|
| Refractive Index    | 1.452 – 1.456                                     |
| Relative Density    | 0.810 – 0.830                                     |
| Infrared Spectrum   | Characteristic spectrum, corresponds to reference |
| Microbial Count     | Less than 100 CFU/g                               |
| Specified Pathogens | Absent, not detectable                            |

### **USABLE LIFE AND STORAGE**

Store below 25°C (77°F) in a dry place away from all sources of ignition. Store in tightly closed containers. When properly stored, this product has a usable life of 36 months from the date of production.

### **LIMITATIONS**

This product is neither tested nor represented suitable for medical or pharmaceutical uses.

### **LIMITED WARRANTY – PLEASE READ CAREFULLY**

The information contained herein is offered in good faith based on Lotioncrafter’s research and is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information shall not be used in substitution for customers’ tests to insure that Lotioncrafter’s products are fully satisfactory for your specific applications. Our warranty is that the product will meet its current sales specifications. Your exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted.