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Creatine

DEFINITION

A natural amino acid derivative, multifunctional additive for skin and hair care formulations, where it plays a vital role in cellular energy metabolism

FULL INCI

Creatine

The physiological fatigue of skin evidenced by the early signs of aging is caused by stress and environmental influences.

The consequence is a decrease of the energy amount stored in the cells, followed by a suppressed capability to synthesize proteins such as collagen, elastin, and keratin, while cells experience increased oxidative stress as they age, increasing the amount of energy required for internal defenses making a well-working energy metabolism essential for skin's cell vitality.

DESCRIPTION

Creatine formulated at 0.01% has been shown to increase cell vitality by up to 60% over the control vehicle ::

- stimulates collagen, elastin, and keratin synthesis in skin
- · stimulates the mitochondrial activity in skin
- provides long term protection from premature aging and environmental stresses
- revitalization of cell energy metabolism increases moisture in skin and hair
- improves volume and feel of damaged hair clinically proven to smooth the hair cuticle



State of the Art Ingredients • Fast Friendly Service

Creatine

From: Crystals

Water Solubility: Approx.14 g/l (20 °C)

SPECIFICATIONS Linear Pate: Approx. 7.4 (at 14.0 g/l, 20 °C)

Usage Rate: 0.5 – 1.5 % (By Weight)

Shelf: 36mos. properly stored and handled Quality: Creatine is the highest quality and purity

creatine available on the market.

APPLICATIONS

Skin Care

Skin soothing formulations Anti-aging formulations

After sun products

Moisturizing formulations

Hair Care

Shampoos

Hair rinses

Conditioners

Styling products

Pre-treatments before chemical processes