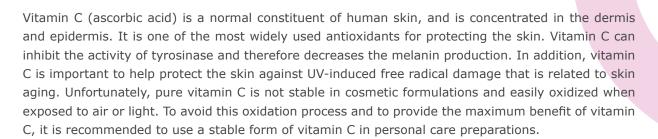
Selco*

Ethyl Ascorbic Acid

Description



Ethyl Ascorbic Acid is an etherified derivative of ascorbic acid, one of the most stable derivates of ascorbic acid known. It is also showing a very good stability in all kinds of cosmetic formulations. Ethyl Ascorbic Acid penetrates into the skin and there it is metabolized to ascorbic acid. Due to this process its efficacy is better than the one of pure ascorbic acid. It resists discoloration and degradation, while retaining all biological activity of L-ascorbic acid.

Efficacy

- decreases the generation of melanin by inhibition of tyrosinase activity
- acts as an antioxidant
- decreases wrinkle progression
- reduces fine lines
- improves skin lightening
- improves radiance and an even skin tone
- increases collagen production
- reduces and repairs sun damages on the skin

Appearance

white to off-white crystal powder

INCI

3-O-Ethyl Ascorbic Acid

Registration

CAS-No	86404-04-8
EC-No	/-

ECOCER

COSMOS

Raw material approved by ECOCERT GREENLIFE, conform to the COSMOS Standard.



none





Ethyl Ascorbic Acid

Characteristics

assay>= 98.5 %	6
pH-value (3 % water solution)3.5 -	5
melting point111 - 115°	С

molecular fo	ormula	C ₈ H ₁₂ O ₆
molecular w	eight	204.18 g/mol

Application

high quality cosmetic products creams and lotions face masks gel and ampoules

Application concentration



Incorporation

Ethyl Ascorbic Acid can easily be incorporated in cosmetic emulsion and other formulations. It is water soluble. The recommended pH range is 3.5 - 6.

For better stability and to avoid pH-drift to acidic pH-values the use of 1 % citrate buffer is recommended.

Ethyl Ascorbic Acid is stable for more than 90 days under different conditions (45°C, -15°C, room temperature and under day light).

Toxicology

non hazardous in normal use concentration pure raw material can cause serious eye irritation

Storage & Shelf life

Ethyl Ascorbic Acid should be stored in sealed containers at a cool, dry and light protected place at 10 - 25°C.

In closed original containers the shelf life is 24 months.

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