

iVIT ETHYL C

INCI Name (US): 3-O Ethyl Ascorbic Acid

INCI Name (EU): 3-O Ethyl Ascorbic Acid

CAS #: 86404-04-8

**General Information/
Characteristics:**

3-O Ethyl Ascorbic Acid, or Ethyl Ascorbic Acid is a stable Vitamin C derivative which is primarily an antioxidant. This highly stable derivative inhibits the activity of tyrosinase and prevents the synthesis of melanin. Concurrently, this derivative possesses an enhanced transport ability through skin. It also accelerates the production of collagen as to improve the luster of skin. This strong antioxidant eliminates free radicals in the body, it allows for the stability of acidity, alkalinity and salts as it possesses a lipophilic and hydrophilic structure.

Benefits / Application:

Hair care benefits:

- Provides long lasting collagen boosting in the scalp.

Skin care benefits:

- Useful in treatment for pigmentary disorders such as age spots etc.
- Stimulates collagen production.
- Favorable moisturization and skin brightening activity.

Applications:

- Whitening/lightening creams and lotions.
- Skin and sun care creams and lotions.
- 2 in 1 shampoo, shampoos and conditioners.
- Leave-in conditioner and hair growth treatments.

Formulations Advices:

The reference addition is 0.5-2%. It is more stable than the usual Vitamin C, and will much stable at pH 4.0-5.5. It easily dissolves in water.

Regulatory Status:

No specific regulations.

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Physical-Chemical Properties:

Appearance	Crystal powder.
Color	White to off-white
pH value (3% solution)	3.0 – 6.0
Melting point	111.0 - 116.0 °C.
Heavy metals	Max. 20 ppm
Loss on Drying	Max. 1.0%
Free Vit C (HPLC)	Max. 10 ppm
Assay content (HPLC)	98.5 %

**These values indicate typical specification; they are not intended to be used as product specifications*

Additives:

None.

Shelf Life / Storage Conditions:

36 months from manufactured date.

Store at room temperature, in a cool and dry place. Protect from light.

Packaging:

180 Kg/drum.

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Version:

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