

iVit E Acetate WS

INCI Name (US): Tocopheryl Acetate & PEG 40 & PEG 50

INCI Name (EU): Tocopheryl Acetate & PEG 40 & PEG 50

CAS #: 7695-91-2

**General Information/
Characteristics:**

Tocopheryl Acetate is a form of Vitamin E, a natural skin-conditioning agent and antioxidant. It is the ester of acetic acid and tocopherol and is often used as an alternative to pure tocopherol as it is considered more stable and far less acidic. This derivative is water-soluble and enhances the efficacy of active sunscreen ingredients by reducing the formation of free-radicals from exposure to UV rays and further promotes healing and strengthening the skin's barrier function. Tocopheryl acetate is also valued as skincare active as it also functions as an antioxidant and anti-aging agent as has remarkable effects on skin softening accelerating epidermis cell metabolism, lighting epidermis pigment cell, decreasing lipid peroxide.

Benefits / Application:

Skin care benefits:

- Used in make-up products, skin whitening/lightening, and treatment products for pigmentary disorders such as age spot.
- Favorable moisturization in lotions and anti-aging creams.
- Enhances actives in sunscreen ingredients.

Hair care benefits:

- Repairs lipid balance and trans epidermal water loss thus it is used in hair conditioners.

Applications:

- Skin care/whitening/lightening products.
- Shaving products.
- Hair conditioner.

Formulations Advices:

Concentration usage: 0.5-5%. Due to its high freezing point, there will appear precipitate. Heating it to 60 °C makes precipitate disappear. Shaking before usage is advised.

Regulatory Status:

No specific regulations.

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Physical-Chemical Properties:

Appearance:	Turbid liquid.
Color:	Straw color, slightly yellow.
Clarity of solution:	5% water solution should be clear.
Heavy metals:	≤0.001%
Refraction index:	1.480-1.490
Heavy metals:	≤ 0.001%
Assay content:	19-21%

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

Additives:

None.

Shelf Life / Storage Conditions:

2-year validity. Light Sensitive. Store in a light resistant container. Keep container tightly closed. Keep container in a cool, well-ventilated area.

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