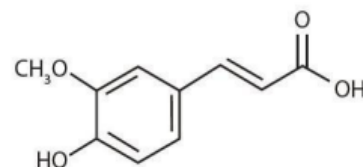


IWHITE™ FA

Ferulic Acid
CAS #: 1135-24-6



Product Description

iWhite™ FA is a naturally occurring phenolic compound found in various plants such as wheat, rice, peanuts, oranges and apples. It seems to be particularly abundant in coffee and amaranth. It is an antioxidant that can seek and destroy several different types of free radical - 'superoxide', 'hydroxyl radical', and nitric oxide.

This potent compound is suggested to suppress melanin generation by antagonizing tyrosine because its chemical structure is similar to tyrosine. This super antioxidant has also been shown to protect against a variety of cancers, bone degeneration, and menopausal symptoms such as hot flashes.



Benefits

- Antioxidant Protection
- UV Damage Reduction
- Synergistic Effects
- Photoprotective
- Anti-aging effects



Application

- Anti-aging and Antioxidant creams
- Whitening creams
- Make-up products such a skin lightener/skin fader
- Sunscreen formulations



Formulation Recommendations

The recommended dosage in cosmetic and hair care formulations is typically 0.5%-1%. It is freely soluble in ethanol and slightly soluble in hot water. iWhite™ FA synergizes with other antioxidants especially vitamins C and E. When used with these vitamins, prevents them from breaking down or becoming ineffective.

Formulate your product at pH 3.5-5.5 and protect from light.

Avoid combining with other strong acids.



Regulatory Status

This product is intended for cosmetic and hair application and complies with regulatory standards in various regions, however, restrictions apply in some markets for this ingredient. Always ensure compliance with local regulations and guidelines before incorporating it into your cosmetic products.





Technical data

1. Physical-Chemical Properties*:

Appearance	Off White to slightly yellow-pink powder.
Loss on drying	Less than 0.5%
Assay	Min 98%
Residue of Ignition	Less than 0.1%
Heavy Metal (Pb)	Less than 10 ppm

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

2. Additives

None

3. Shelf Life / Storage Conditions

2- year shelf life. Store in a cool and dry area, keep sealed and keep away from light.
Avoid contact with acids, alkalis and strong oxidizing agents.

4. Packaging

25 kg/drum.

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