

## Technical Data Sheet

### ZLEY<sup>®</sup>EF

#### Basic Information:

- INCI: ETHYL FERULATE
- CAS: 4046-02-0
- Main component: Ethyl 4'-hydroxy-3'-methoxycinnamate
- Suggested usage amount: 0.1 - 3.0%
- Recommended usage: Soluble in ethanol, and propylene glycol.

#### Product Description:

Ethyl Ferulate is a ferulic acid ester derivative. Compared with ferulic acid, it is much easier soluble in the oil phase. It is an excellent antioxidant and UV absorber with brightening, anti-bacterial, suncare, anti-allergic, and improve skin barrier properties in cosmetics.

#### Technical Indicators:

Inspection items	Technical index
Appearance	White or almost white crystalline powder
Melting point	53.0~58.0°C
Water content (KF)	NMT 8.0%
ROI	NMT 0.10%
Heavy metals	NMT 10ppm
Unspecified impurities	NMT 0.50%
Total impurities	NMT 1.0%
Purity (HPLC)	NLT 99.0%

#### Product Usage:

It is widely used in whitening products, sunscreen products, anti-aging products, and plant fresh-keeping products, etc.

#### Packaging and Storage:

- Packaging: Aluminum foil bag(line with polyethylene plastic bag), 1 kg/bag.
- Storage: Please store it in a cool and dry place and the shelf life is 2 years.

#### Disposal:

Although this product has almost no pollution to the environment, it is best not to discard it together with domestic garbage. Please contact the local environmental protection department for dealing with the product and container and dispose according to the common chemical treatment method. Do not pour large quantities of products into the groundwater system.

**Transport Conditions:**

Check whether the packaging container is complete and sealed before shipment, and keep it away from power supply, fire source and other parts during transportation. This product does not belong to hazardous goods or mixtures and can be transported according as general cargo.