



## TECHNICAL DATA SHEET

002388-TDS-ENG-2023

ACIDO FERULICO		
DESCRIPTION DCI: ÀCIDO FERÚLICO		DESCRIPTION DOE: FERULIC ACID
CAS N°: 1135-24-6	EC N°: 214-490-0	AEMPS CODE: ---
MOL. WEIGHT: 194.18	MOL. FORMULA: C10H10O4	ARTICLE CODE: 002388

ATTRIBUTES	SHOULD BE
Appearance	Almost white crystalline powder
Identification A	Complies
Identification B	Conforme
Melting point	173 - 176 °C
Loss on drying	= < 0.5 %
Sulfated ash	= < 0.1 %
Related substances	
Total impurities	= < 1.0 %
Assay	>= 99.0 %
Residual solvents	
Ethanol	= < 5000 ppm
Microbiological control	
TAMC	= < 1000 CFU/g
TYMC	= < 100 CFU/g
Escherichia coli	Absence/1g
Candida Albicans	Absence/1g
Pseudomonas aeruginosa	Absence/1g
Staphylococcus aureus	Absence/1g
Salmonella	Absence/1g

### COMPLIES WITH

Manufacturer specifications

### STORAGE

Keep tightly closed. Store in a cool dry place.

### REMARKS

**Excipient suitable for cosmetic and/or nutraceutical use.**

Ferulic Acid is subjected to the requirements of the ICH Q3D "Elemental Impurities" and the requirements of guides EMA/CHMP/ICH/82260/2006.

Absence of N-nitrosamines impurities has been ensured after a risk evaluation according to ICH Q9, ICH M7 and in accordance with guidelines EMA/428592/2019 Rev 2 and EMA/189634/2019.

Certificates of residual solvents, allergens, non-GMO and BSE-TSE, are available upon request.

All methods of analysis are validated by official pharmacopoeias or are validated by internal methods of the manufacturer, which can be obtained at specific request. The above information does not exempt from the obligation to identify the product before use.

### Properties

It is an antioxidant that neutralizes free radicals, responsible for oxidative stress in cell membranes and DNA.



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It helps protect the skin from the damage caused by ultraviolet radiation.  
Prevents aging caused by the sun.  
Protects the dermal layer (which contains elastin and collagen) and capillaries.

### Applications

It is used in solar preparations.  
It is used in pharmacy for its anti-inflammatory properties.