

**TECHNICAL DATA SHEET**Effective date: 04.2019
Rev.1**Ferulic Acid****INFORMATION ON SUBSTANCE / MIXTURE**

INCI	Ferulic acid
Chemical formula	C ₁₀ H ₁₀ O ₄
Chemical name	4-Hydroxy-3-methoxycinnamic acid
Molar mass	194.18 g/mol
Manufacturing process	Obtained from the roots of Ferula assafoetida L.
Solvents used	Water, ethanol
Description	98 % purity, abundant phenolic phytochemical found in plant cell wall components
Raw material category	Active ingredient, antioxidant

TECHNICAL DATA**Physical and chemical parameters**

Appearance	Solid, fine powder
Color	White
Odor	Characteristic
Sieve analysis	100 % through 80 mesh
Water content	≤ 2.0 %
Total ash	≤ 1.0 %
Solubility	Soluble in water and ethanol, insoluble in oil
Ferulic acid	≥ 98.0 %

Biological parameters

Total Plate Count	≤ 10000 cfu/g
Yeasts and molds	≤ 1000 cfu/g
Escherichia coli	Absent /g
Salmonella	Absent /g

Contaminants

Lead (Pb)	≤ 3.0 mg/kg
Arsenic (As)	≤ 2.0 mg/kg

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Cadmium (Cd)	≤ 1.0 mg/kg
Mercury (Hg)	≤ 0.1 mg/kg

TRANSPORT, STORAGE and SHELF LIFE

Storage conditions	Store in tightly closed containers, away from light and moisture
Shelf Life	24 months, in closed packaging under the recommended conditions
Custom tariff	-

LEGISLATION

Certification	-
EINECS	-
CAS	1135-24-6

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