

TECHNICAL DATA SHEET

Effective date: 04.2019
Rev.2

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	≤ 1000 cfu/g
Yeasts and molds	≤ 100 cfu/g
Escherichia coli	Absent /g
Salmonella	Absent /g

Contaminants

Lead (Pb)	≤ 3.0 mg/kg
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Arsenic (As)	≤ 2.0 mg/kg
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	36 months, in closed packaging under the recommended conditions
Custom tariff	-

LEGISLATION

Certification	-
EINECS	-
CAS	1135-24-6

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