



Technical Data sheet

Product Name: Ferulic Acid

Botanical source: *Oryza sativa* L.

CAS No: 1135-24-6

Specification: 98%

Grade: Food grade

Part used: Rice Bran

Appearance: White or off-white powder

Test method: HPLC



Introduction:

Ferulic acid is an antioxidant which neutralizes free radicals (superoxide, nitric oxide and hydroxyl radical) which could cause oxidative damage of cell membranes and DNA. Ferulic acid helps to prevent damage to our cells caused by ultraviolet light. Exposure to ultraviolet light actually increases the antioxidant potency of ferulic acid. Ferulic acid is often added as ingredient of anti-aging supplements. Studies have shown that ferulic acid can decrease blood glucose levels and can be of help to diabetes patients.

Application:

Ferulic acid is wide used into medicine, food, cosmetics field . It was used as the anti-inflammatory Drugs, pain, antithrombotic, ultraviolet radiation, anti-free radical and immune function of human body ,In the clinical ,it was used as the treatment of those diseases such as coronary heart disease, cerebrovascular disease, vasculitis, leukopenia and thrombocytopenia. It also wide used in the food, cosmetic, mainly as an antioxidant .

Technical specification:

ANALYSIS	SPECIFICATION
Assay (Ferulic Acid by HPLC)	≥98.5%
Appearance	White or off-white powder
Odor	Rice bran oil-specific odor, no peculiar smell
Melting Point	171.0°C~174.0°C
Natural Degree C13 Test	-33~36



Natural Degree C14/12 Test	12~16
Solvents	Purified water + Edible Ethanol
Solvent Residue	Ethanol < 1000ppm
Loss on drying	≤0.5%
Ash	≤2.0%
Auxiliary Material	None
Heavy Metals	≤10ppm
Arsenic (As)	≤2.0ppm
Plumbum (Pb)	≤0.5ppm
Cadmium (Cd)	≤0.15ppm
Microbiological	
Total Plate Count	≤1000cfu/g
Yeast & Mold	≤100cfu/g
E.Coli	Negative
Salmonella	Negative

Packaging Details:

Package: 25kgs/fiber drum, inner with double-layer plastic bags.

Storage: Store in cool & dry place, do not freeze, and keep away from direct strong light.

Created: 10/10/2015

Last Updated: 05/21/2019

END OF DOCUMENT