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PRODUCT STANDARD

PRODUCT NAME : **FERULIC ACID** (COSMETIC)

This product is extracted and refined from the rice bran of *Oryza sativa* Linne (Gramineae). Dried product contains minimum of 98.0 % ferulic acid ($C_{10}H_{10}O_4$).

Appearance	White to slight yellowish brown powder. It has odorless or very slightly characteristic odor.	
Certification Test	(1) This product has maximum values of absorption spectrum at 236 nm. and 322 nm. wavelength in the measurement of extinction spectra of ethanol solution. (1-100000) (2) When 0.01 g of this product is dissolved to 10 ml of potassium hydroxide ethanolic solution, there occurs yellow coloring. (3) 0.01 g of this product is dissolved to 2 ml of acetone and 0.1 ml solution of ferric chloride ethanol (1-50), there occurs red brown coloring.	
Content of Ferulic Acid	Min. 98.0 %	(HPLC)
Loss on Drying	Max. 0.5 %	(Analysis for HygienicChemists, 1g, 105 ℃, 3 hr)
Ignition Residue	Max. 0.1 %	(The First Method of The Japanese Standards of Quasi-Drug Ingredients, 5g)
Melting Point	171～174 ℃	
Purity Test		
(1)Heavy Metals (as Pb)	Max. 10 ppm	(The Second Method of The Japanese Standards of Quasi-Drug Ingredients)
(2) Arsenic (as As_2O_3)	Max. 1 ppm	(The Third Method of The Japanese Standards of Quasi-Drug Ingredients)
Standard Plate Counts	Max. 1×10^2 cfu/g	(Analysis for Hygienic Chemists)
Moulds and Yeasts	Max. 1×10^2 cfu/g	(Analysis for Hygienic Chemists)
Coliforms	Negative	(Analysis for Hygienic Chemists)
Composition	Ingredient — Content Ferulic Acid — 100 %	

Expiry date	2 years from date of manufacturing.
Storage	Store it in a cool, dry, ventilated area with desiccant. Keep it away from high temperature and sunlight, and store it in a closed container.

Established Date	May 20, 2005
Revised Date	October 11. 2017
Specification No.	Z-711EN