



ORYZA OIL & FAT CHEMICAL CO.,LTD.

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PRODUCT STANDARD

PRODUCT NAME : **ORYZA TOCOTRIENOL™-90** (COSMETIC)

This product is mixture of tocotrienols extracted and concentrated from the rice bran and the rice germ of *Oryza sativa* Linne (*Gramineae*). It contains minimum of 60.0 % total tocotrienols (α , β , γ , δ).

Appearance
Identification

Red-brown colored sticky liquid with slightly characteristic odor.
 0.01 g of this product is dissolved in 10 mL of ethanol, then 2 mL of nitric acid is added to the mixture. After incubation at 75°C for 15 minutes, the solution shows red-orange color.

Content

Total tocopherols and tocotrienols	Min. 90.0 % (HPLC)
Total tocotrienols	Min. 60.0 % (HPLC)
Max. 10.0 meq/kg	(Japan Oil Chemists' Society)

Peroxide Value
Purity Test

- (1)Solubility
- (2)Heavy Metals (as Pb)
- (3)Arsenic (as As₂O₃)

Dissolve 2.0 g of this product in 20 mL of ethanol, the solution should be clear.
 Max. 10 ppm (The Second Method of The Japanese Standards of Quasi-Drug Ingredients)
 Max. 1 ppm (The Third Method of The Japanese Standards of Quasi-Drug Ingredients)
 Max. 1×10² cfu/g (Analysis for Hygienic Chemists)
 Negative (Analysis for Hygienic Chemists)
 Negative (Analysis for Hygienic Chemists)

Standard Plate Counts
Moulds and Yeasts
Coliforms

Composition

<u>Ingredient</u>	<u>Content</u>
Tocotrienols	60 %
Tocopherol	30 %
Oryza Sativa (Rice) Bran oil	10 %
Total	100 %

Expiry date
Storage

2 years from date of manufacturing.
 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	November 5, 2002
Revised Date	March 5, 2018
Specification No.	S-804EN