



## ORYZA OIL & FAT CHEMICAL CO.,LTD.

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### PRODUCT STANDARD

PRODUCT NAME : **ORYZA TOCOMIX-P15CD** (FOOD)

This product is mixture powder of tocotrienols extracted and concentrated from the rice bran and the rice germ of *Oryza sativa* Linne (*Gramineae*). It includes more than 8.0 % of total tocotrienols (  $\alpha$ ,  $\beta$ ,  $\gamma$ ,  $\delta$  ).

**Appearance**

Yellowish colored powder with slightly unique smell.

**Certification Test**

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. 15.0 % (HPLC)

Total tocotrienols Min. 8.0 % (HPLC)

**Loss on Drying**

Max. 10.0 % (Analysis for Hygienic Chemists, 1 g, 105°C, 2h)

**Purity Test**

(1) Heavy Metals (as Pb)

Max. 10 ppm

(Sodium Sulfide Colorimetric Method)

(2) Arsenic (as As<sub>2</sub>O<sub>3</sub>)

Max. 1 ppm

(Standard Methods of Analysis in Food Safety Regulation, The Third Method, Apparatus B)

**Standard Plate Counts**

Max. 1×10<sup>3</sup> cfu/g

(Analysis for Hygienic Chemists)

**Moulds and Yeasts**

Max. 1×10<sup>2</sup> cfu/g

(Analysis for Hygienic Chemists)

**Coliforms**

Negative

(Analysis for Hygienic Chemists)

**Composition**

Ingredient	Content (Values are just a guide)
Cyclodextrin	50 %
Rice oil extract	30 %
Acacia Gum	20 %
Total	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	October 8, 2008
Revised Date	October 31, 2023
Specification No.	Z-331EN