



ORYZA OIL & FAT CHEMICAL CO.,LTD.

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PRODUCT STANDARD

PRODUCT NAME : **ORYZA TOCOMIX-P27CD** (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 18.0 % of total tocotrienols (α , β , γ , δ).

<u>Appearance</u>	Yellowish colored powder with slightly unique smell.											
<u>Certification Test</u>	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.											
<u>Content</u>	Total tocopherols and tocotrienols	Min. 27.0 % (HPLC)										
	Total tocotrienols	Min. 18.0 % (HPLC)										
<u>Loss on Drying</u>	Max. 10.0 %	(Analysis for Hygienic Chemists, 1 g, 105°C, 2h)										
<u>Purity Test</u>												
(1) Heavy Metals (as Pb)	Max. 10 ppm	(Sodium Sulfide Colorimetric Method)										
(2) Arsenic (as As ₂ O ₃)	Max. 1 ppm	(Standard Methods of Analysis in Food Safety Regulation, The Third Method, Apparatus B)										
<u>Standard Plate Counts</u>	Max. 1×10 ³ cfu/g	(Analysis for Hygienic Chemists)										
<u>Moulds and Yeasts</u>	Max. 1×10 ² cfu/g	(Analysis for Hygienic Chemists)										
<u>Coliforms</u>	Negative	(Analysis for Hygienic Chemists)										
<u>Composition</u>	<table><thead><tr><th>Ingredient</th><th>Content (Values are just a guide)</th></tr></thead><tbody><tr><td>Cyclodextrin</td><td>50 %</td></tr><tr><td>Rice oil extract</td><td>30 %</td></tr><tr><td>Acacia Gum</td><td>20 %</td></tr><tr><td>Total</td><td>100 %</td></tr></tbody></table>	Ingredient	Content (Values are just a guide)	Cyclodextrin	50 %	Rice oil extract	30 %	Acacia Gum	20 %	Total	100 %	
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Cyclodextrin	50 %											
Rice oil extract	30 %											
Acacia Gum	20 %											
Total	100 %											
<u>Expiry date</u>	2 years from date of manufacturing.											
<u>Storage</u>	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