



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

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### PRODUCT STANDARD

PRODUCT NAME : **ORYZA TOCOTRIENOL™-L10** (FOOD)

This product is water-soluble mixture of tocotrienols extracted and concentrated from the rice bran and the rice germ of *Oryza sativa* Linne (*Gramineae*). It contains minimum of 7.0 % total tocotrienols (  $\alpha$ ,  $\beta$ ,  $\gamma$ ,  $\delta$  ).

<b><u>Appearance</u></b>	Light brown colored sticky liquid with slightly unique smell.	
<b><u>Certification Test</u></b>	0.15 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.	
<b><u>Content</u></b>	Total tocopherols and tocotrienols	Min. 10.0 % (HPLC)
	Total tocotrienols	Min. 7.0 % (HPLC)
<b><u>Purity Test</u></b>		
<b>(1) Heavy Metals (as Pb)</b>	Max. 10 ppm	(Sodium Sulfide Colorimetric Method)
<b>(2) Arsenic (as As<sub>2</sub>O<sub>3</sub>)</b>	Max. 1 ppm	(Standard Methods of Analysis in Food Safety Regulation, The Third Method, Apparatus B)
<b><u>Standard Plate Counts</u></b>	Max. 1×10 <sup>3</sup> cfu/g	(Analysis for Hygienic Chemists)
<b><u>Moulds and Yeasts</u></b>	Max. 1×10 <sup>2</sup> cfu/g	(Analysis for Hygienic Chemists)
<b><u>Coliforms</u></b>	Negative	(Analysis for Hygienic Chemists)
<b><u>Composition</u></b>	<b>Ingredient</b> <span style="float: right;"><b>Content</b> (Values are just a guide)</span>	
	Glycerin	44 %
	Purified water	28 %
	Glycerin ester of fatty acid	16 %
	Rice oil extract (contains tocotrienol)	12 %
	<b>Total</b>	<b>100 %</b>
<b><u>Expiry date</u></b>	2 years from date of manufacturing.	
<b><u>Storage</u></b>	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	April 1, 2008
Revised Date	June 30, 2020
Specification No.	G-030EN