



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

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### PRODUCT STANDARD

PRODUCT NAME : **ORYZA GABA™ EXTRACT-F95R** (FOOD)

This product is made from glutamic acid derived from the seed coats of rice bran and rice germ of *Oryza sativa* Linne (*Gramineae*), which is transformed with the help of *Lactobacillus hilgardii* fermentation into Gamma-aminobutyric acid (GABA), then refined into water-soluble powder. It guarantees minimum of 95% of GABA.

<b><u>Appearance</u></b>	White to light yellowish powder with slight unique aroma.	
<b><u>γ-aminobutyric acid</u></b>	Min. 95 %	(HPLC)
<b><u>Loss on Drying</u></b>	Max. 3.0 %	(Analysis for Hygienic Chemists, 1g, 105 °C, 2 hr)
<b><u>Ignition Residue</u></b>	Max. 3.0 %	(The Japanese Standards for Food Additives)
<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. 3×10 <sup>3</sup> cfu/g	(Analysis for Hygienic Chemists)
<b><u>Moulds and Yeasts</u></b>	Max. 1×10 <sup>3</sup> cfu/g	(Analysis for Hygienic Chemists)
<b><u>Coliforms</u></b>	Negative	(Analysis for Hygienic Chemists)
<b><u>Composition</u></b>	<b><u>Ingredient</u></b>	<b><u>Content</u></b>
	Rice Extract	100 %
<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	August 21, 2019
Revised Date	May 26, 2020
Specification No.	T-026EN