



ORYZA OIL & FAT CHEMICAL CO.,LTD.

1 Aza Numata Kitagata Kitagata-cho Ichinomiya-city, Aichi-prefecture 493-8001 JAPAN

TEL:+81-586-86-5141 FAX:+81-586-86-6191

URL: <https://www.oryza.co.jp/> E-mail: info@oryza.co.jp

PRODUCT STANDARD

PRODUCT NAME : **ORYZA GABATM EXTRACT-HC90** (COSMETIC)

This product is made from glutamic acid contained in rice germ from the rice seed of *Oryza sativa* Linne (*Gramineae*), which is transformed with the help of rice germ enzyme and *Lactobacillus brevis* fermentation into Gamma-aminobutyric acid (GABA). The enriched GABA and water soluble nutrients are extracted, dried and powdered. The powder is water-soluble.

<u>Appearance</u>	Light yellowish powder with slight characteristic odor.	
<u>γ-aminobutyric acid</u>	Min. 90.0 %	(HPLC)
<u>Loss on Drying</u>	Max. 5.0 %	(1g, 105 °C, 2 hr)
<u>Ignition Residue</u>	Max. 5.0 %	(The First Method, 5g)
<u>Purity Test</u>		
(1)Heavy Metals (as Pb)	Max. 10 ppm	(The Second method of The Japanese Standards of Quasi-Drug Ingredients)
(2)Arsenic (as As₂O₃)	Max. 1 ppm	(The Third Method of The Japanese Standards of Quasi-Drug Ingredients)
<u>Standard Plate Counts</u>	Max. 1×10 ² 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>	<u>Ingredient</u>	<u>Content</u>
	Aminobutyric Acid	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	July 15, 2004
Revised Date	November 10, 2023
Specification No.	Y-310EN