



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

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### PRODUCT STANDARD

PRODUCT NAME : **DEFATTED RICE BRAN** (COSMETIC)

This product is powdered rice bran ,originally obtained from the rice(*Oryza sativa Linne(Gramineae)*), which was ground and sterilized after dafatting.

<b><u>Appearance</u></b>	Light brownish powder with light characteristic odor.	
<b><u>Identification</u></b>		
<b><u>(1)</u></b>	Add 10mL of water to 0.5 g of this product, heat gently and filter. Add 1 mL of nitric acid to the filtrate. Orange color develops.	
<b><u>(2)</u></b>	Add 3 mL of ethanol to 0.2 g of this product, heat gently, and filter. Then add 2-3 drops of $\alpha$ -naphthol • ethanol solution (1→20) to the filtrate and shake, add softly 1 mL of sulfuric acid. Red purple ring is formed at junction of both solution.	
<b><u>Loss on Drying</u></b>	Max. 14.0 %	(1g, 105 °C, 3 hr)
<b><u>Ignition Residue</u></b>	7.0 ~ 14.0 %	(The third Method, 1g)
<b><u>Particle size</u></b>	Less than 180 $\mu$ m (Max. 5 % residue)	(Standard Sieve)
<b><u>Purity Test</u></b>		
<b><u>(1)Heavy Metals (as Pb)</u></b>	Max. 20 ppm	(The Second Method of The Japanese Standards of Quasi-Drug Ingredients)
<b><u>(2) Arsenic (as As<sub>2</sub>O<sub>3</sub>)</u></b>	Max. 2 ppm	(The Third Method of The Japanese Standards of Quasi-Drug Ingredients)
<b><u>Standard Plate Counts</u></b>	Max. 1×10 <sup>2</sup> cfu/g	(Analysis for Hygienic Chemists)
<b><u>Moulds and Yeasts</u></b>	Max. 3×10 <sup>1</sup> cfu/g	(Analysis for Hygienic Chemists)
<b><u>Coliforms</u></b>	Negative	(Analysis for Hygienic Chemists)
<b><u>Composition</u></b>	<b><u>Ingredients</u></b>	<b><u>Contents</u></b>
	Defatted Rice Bran	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.	

Ref : The Japanese Standards of Quasi-Drug Ingredients.

Established Date	November 31, 2003
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