



ORYZA OIL & FAT CHEMICAL CO.,LTD.

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

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PRODUCT STANDARD

PRODUCT NAME : **ORYZA CERAMIDETM-LC** (COSMETIC)

This product is water-soluble emulsion containing Ceramide (Glycosphingolipids) extracted with hexane and ethanol from rice bran and rice germ of *Oryza sativa* Linne (*Graminea*). It contains a minimum of 0.30 % Ceramide (Glycosphingolipids).

Appearance

Slightly brown liquid with slightly characteristic odor.

Identification

10 g of this product is dissolved in 50 mL of ethanol in separating funnel. Ethanol layer is evaporated. When 0.5 g of potassium hydrogensulfate is added in residue and heated, it occurs irritating smell.

Lecithin

1 g of this product, 5 g of potassium sulfate, 0.5 g copper sulfate and 20 mL of sulfuric acid are heated in kjeldahl frask. After solution changes transparent blue, heat for 2 hours. After cool, 20 mL of water is added. 10 mL of ammonium molybdate solution is added in 5 mL of this solution, then it occurs yellow precipitate.

Ceramide

Min. 0.30 % (Densitometry Method)

(Glycosphingolipids)

(HPLC Light Scattering Method)

Purity Test

(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)

Standard Plate Counts

Max. 1×10² cfu/g (Analysis for Hygienic Chemists)

Moulds and Yeasts

Max. 1×10² cfu/g (Analysis for Hygienic Chemists)

Coliforms

Negative (Analysis for Hygienic Chemists)



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Composition

<u>Ingredients</u>	<u>Content</u> (Values are just a guide)
Glycerin	40.0 %
Water	38.0 %
Polyglyceryl-10 oleate	13.0 %
Lecithin	5.0 %
Oryza Sativa (Rice) Bran Oil	3.7 %
<u>Glucosyl Ceramide</u>	<u>0.3 %</u>
Total	100.0 %

Expiry date

1 year 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	June 5, 2000
Revised Date	April 12, 2024
Specification No.	B-412EN