



ORYZA OIL & FAT CHEMICAL CO.,LTD.

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PRODUCT STANDARD

PRODUCT NAME : **EVENING PRIMROSE EXTRACT-LC** (COSMETIC)

This product is extracted from evening primrose seed, the seed of *Oenothera biennis* with aqueous ethanol and is dissolved in aqueous 1,3-butylene glycol.

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| <u>Appearance</u> | Brown-red liquid with slightly characteristic odor. | |
| <u>Identification</u> | | |
| <u>Tannins</u> | The solution (1→5) of this product turns dark blue to black when ferric chloride is added. | |
| <u>Polyphenols</u> | The solution (1→5) of this product turns the color off when potassium permanganate is added. | |
| <u>Polyphenols Content</u> | Min. 0.5 % | (Folin-Denis method) |
| <u>pH</u> | 4.00 - 5.50 | (10 % solution) |
| <u>Specific Gravity</u> | 1.020 - 1.060 | (25°C) |
| <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 As ₂ O ₃) | 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> (Values are just a guide) |
| | Butylene glycol | 69 % |
| | Water | 30 % |
| | <u>Oenothera Biennis (Evening Primrose) Seed Extract</u> | <u>1 %</u> |
| | Total | 100 % |
| <u>Expiry date</u> | 2 years from date of manufacturing. | |
| <u>Storage</u> | Store it in a cool, dry, ventilated area. Keep it away from high temperature and sunlight, and store it in a closed container. | |

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| Established Date | April 20, 2001 |
| Revised Date | March 19, 2018 |
| Specification No. | S-819EN |