



ORYZA OIL & FAT CHEMICAL CO.,LTD.

1 Aza Numata Kitagata Kitagata-cho Ichinomiya-city, Aichi-prefecture 493-8001 JAPAN
 Phone:+81-586-86-5141 Facsimile:+81-586-86-6191
 URL/http://www.oryza.co.jp/ E-mail:info@oryza.co.jp

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.

<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>	<table border="0" style="width: 100%;"> <thead> <tr> <th style="text-align: left;"><u>Ingredient</u></th> <th style="text-align: right;"><u>Content</u></th> </tr> </thead> <tbody> <tr> <td>Butylene glycol</td> <td style="text-align: right;">69 %</td> </tr> <tr> <td>Water</td> <td style="text-align: right;">30 %</td> </tr> <tr> <td><u>Oenothera Biennis (Evening Primrose) Seed Extract</u></td> <td style="text-align: right;"><u>1 %</u></td> </tr> <tr> <td>Total</td> <td style="text-align: right;">100 %</td> </tr> </tbody> </table>		<u>Ingredient</u>	<u>Content</u>	Butylene glycol	69 %	Water	30 %	<u>Oenothera Biennis (Evening Primrose) Seed Extract</u>	<u>1 %</u>	Total	100 %
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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.											

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