



ORYZA OIL & FAT CHEMICAL CO.,LTD.

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PRODUCT STANDARD

PRODUCT NAME : **WALNUT POLYPHENOL-LC** (COSMETIC)

This product is extracted after defatting the seed coat of walnut (*Juglans regia* L.) with hexane, adding an ethanol solution completely removing ethanol, add 1,3-butylene glycol water solution into filtrate as the product.

Appearance

Brown liquid with slightly characteristic odor

Identification

Dissolve 30 μ L of this product in 3.5 mL water. Add 0.2 mL Folin-Denis reagent into the solution followed by 0.4 mL saturated Na_2CO_3 . The solution changes to blue.

(Polyphenols)

Purity Test

(1)Heavy Metals (as Pb)

Max. 10 ppm

(The Second Method of The Japanese Standards of Quasi-Drug Ingredients)

(2)Arsenic (as As_2O_3)

Max. 1 ppm

(The Third Method of The Japanese Standards of Quasi-Drug Ingredients)

Standard Plate Counts

Max. 1×10^2 cfu/g

(Analysis for Hygienic Chemists)

Moulds and Yeasts

Max. 1×10^2 cfu/g

(Analysis for Hygienic Chemists)

Coliforms

Negative

(Analysis for Hygienic Chemists)

Composition

<u>Ingredient</u>	<u>Content</u>
Water	50 %
Butylene Glycol	49 %
<u>Juglans Regia (Walnut) Seedcoat Extract</u>	1 %
Total	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	September 19, 2006
Revised Date	July 2, 2019
Specification No.	N-902EN