



## 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**

**(Polyphenols)**

Dissolve 30  $\mu$ 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  $\text{Na}_2\text{CO}_3$ . The solution changes to blue.

**Purity Test**

**(1)Heavy Metals (as Pb)**

Max. 10 ppm

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

**(2)Arsenic (as  $\text{As}_2\text{O}_3$ )**

Max. 1 ppm

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

**Standard Plate Counts**

Max.  $1 \times 10^2$  cfu/g

(Analysis for Hygienic Chemists)

**Moulds and Yeasts**

Max.  $1 \times 10^2$  cfu/g

(Analysis for Hygienic Chemists)

**Coliforms**

Negative

(Analysis for Hygienic Chemists)

**Composition**

Ingredient Content (Values are just a guide)

Water 50 %

Butylene Glycol 49 %

Juglans Regia (Walnut) Seedcoat Extract 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	October 12, 2023
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