



## ORYZA OIL & FAT CHEMICAL CO.,LTD.

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### PRODUCT STANDARD

PRODUCT NAME : **PERILLA SEED EXTRACT-P** (FOOD)

This product is extracted from the seeds of perilla (*Perilla frutescens* var. *frutescens*) with aqueous ethanol. It guarantees a minimum of 3.0 % polyphenols.

#### Appearance

Yellowish powder with slightly unique smell.

#### Certification Test

##### Flavonoid

To 1.0 g of this product, add 8.5 mL of 90 % diethylene glycol and 0.5 mL of 1 N NaOH. Then it changes yellow. (DAVIS method)

##### Polyphenols

Min. 3.0 % (Folin-Denis method)

##### Loss on Drying

Max. 5.0 % (Analysis for Hygienic Chemists,  
1g, 105 °C, 2 hr)

#### Purity Test

##### (1) Heavy Metals (as Pb)

Max. 30 ppm (Sodium Sulfide Colorimetric Method)

##### (2) Arsenic (as As<sub>2</sub>O<sub>3</sub>)

Max. 1 ppm (Standard Methods of Analysis in Food Safety Regulation, The Third Method, Apparatus B)

#### Standard Plate Counts

Max. 1×10<sup>3</sup> cfu/g (Analysis for Hygienic Chemists)

#### Moulds and Yeasts

Max. 1×10<sup>2</sup> cfu/g (Analysis for Hygienic Chemists)

#### Coliforms

Negative (Analysis for Hygienic Chemists)

#### Composition

Ingredient Content (Values are just a guide)

Maltodextrin 70 %

Perilla Seed Extract 30 %

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 1, 1997
Revised Date	November 14, 2023
Specification No.	Y-314MM