



**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.

<b><u>Appearance</u></b>	Yellowish powder with slightly unique smell.	
<b><u>Certification Test</u></b>	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)	
Flavonoid	Min. 3.0 %	(Folin-Denis method)
<b><u>Polyphenols</u></b>	Max. 5.0 %	(Analysis for Hygienic Chemists, 1g, 105 °C, 2 hr)
<b><u>Loss on Drying</u></b>		
<b><u>Purity Test</u></b>		
(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)
<b><u>Standard Plate Counts</u></b>	Max. 1×10 <sup>3</sup> cfu/g	(Analysis for Hygienic Chemists)
<b><u>Moulds and Yeasts</u></b>	Max. 1×10 <sup>2</sup> cfu/g	(Analysis for Hygienic Chemists)
<b><u>Coliforms</u></b>	Negative	(Analysis for Hygienic Chemists)

<b><u>Composition</u></b>	<b><u>Ingredient</u></b>	<b><u>Content</u></b>
	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	June 29, 2019
Specification No.	G-929EN