



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 : **PERILLA SEED EXTRACT-WSP**_(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. This product is water-soluble.

<u>Appearance</u>	Yellowish powder with slightly unique smell.	
<u>Certification Test</u>	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)
<u>Polyphenols</u>	Max. 5.0 %	(Analysis for Hygienic Chemists, 1g, 105 °C, 2 hr)
<u>Loss on Drying</u>		
<u>Purity Test</u>		
(1)Heavy Metals (as Pb)	Max. 30 ppm	(Sodium Sulfide Colorimetric Method)
(2)Arsenic (as As ₂ O ₃)	Max. 1 ppm	(Standard Methods of Analysis in Food Safety Regulation, The Third Method, Apparatus B)
<u>Standard Plate Counts</u>	Max. 1×10 ³ 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>	<u>Ingredient</u>	<u>Content</u>
	Maltodextrin	70 %
	Perilla Seed Extract	30 %
	Total	100 %
<u>Expiry date</u>	2 years from date of manufacturing.	
<u>Storage</u>	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	October 13, 2004
Revised Date	June 29, 2019
Specification No.	G-929EN