



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-PO** (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.

<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)								
<u>Flavonoid</u>									
<u>Polyphenols</u>	Min. 3.0 % (Folin-Denis method)								
<u>Loss on Drying</u>	Max. 5.0 % (Analysis for Hygienic Chemists, 1g, 105 °C, 2 hr)								
<u>Purity Test</u>									
(1)Heavy Metals (as Pb)	Max. 30 ppm (Sodium Sulfide Colorimetric Method)								
(2)Arsenic (as As₂O₃)	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>									
	<table><thead><tr><th><u>Ingredient</u></th><th><u>Content</u> (Values are just a guide)</th></tr></thead><tbody><tr><td>Trehalose</td><td>70 %</td></tr><tr><td>Perilla Seed Extract</td><td>30 %</td></tr><tr><td>Total</td><td>100 %</td></tr></tbody></table>	<u>Ingredient</u>	<u>Content</u> (Values are just a guide)	Trehalose	70 %	Perilla Seed Extract	30 %	Total	100 %
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Trehalose	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	May 1, 2000
Revised Date	July 28, 2020
Specification No.	N-028MM