



## 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 : **BLACK GINGER EXTRACT-P** (FOOD)

This product is extracted with aqueous ethanol from the rhizome of *Kaempferia parviflora* (Zingiberaceae). It contains a minimum of 2.5 % 5,7-dimethoxyflavone and 10.0 % total polymethoxyflavone.

<b><u>Appearance</u></b>	Dark purple to dark brown powder with light unique aroma								
<b><u>5,7-Dimethoxyflavone</u></b>	Min. 2.5 % (HPLC)								
<b><u>Total Polymethoxyflavone</u></b>	Min. 10.0 % (Spectrophotometry)								
<b><u>Loss on Drying</u></b>	Max. 10.0 % (Analysis for Hygienic Chemists, 1g, 105 °C、2 hr)								
<b><u>Purity Test</u></b>									
<b><u>(1) Heavy Metals (as Pb)</u></b>	Max. 10 ppm (Sodium Sulfide Colorimetric Method)								
<b><u>(2) Arsenic (as As<sub>2</sub>O<sub>3</sub>)</u></b>	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>									
	<table><thead><tr><th><u>Ingredient</u></th><th><u>Content</u></th></tr></thead><tbody><tr><td>Modified Starch</td><td>70 %</td></tr><tr><td>Black Ginger Extract</td><td>30 %</td></tr><tr><td>Total</td><td>100 %</td></tr></tbody></table>	<u>Ingredient</u>	<u>Content</u>	Modified Starch	70 %	Black Ginger Extract	30 %	Total	100 %
<u>Ingredient</u>	<u>Content</u>								
Modified Starch	70 %								
Black Ginger Extract	30 %								
Total	100 %								
<b><u>Expiry date</u></b>	2 years from date of manufacturing.								
<b><u>Storage</u></b>	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 11, 2012
Revised Date	October 28, 2019
Specification No.	Z-928EN