



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

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### 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>	<b>Ingredient</b>	<b>Content (Values are just a guide)</b>
	Modified Starch	70 %
	Black Ginger 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	May 11, 2012
Revised Date	November 9, 2023
Specification No.	Y-309EN