



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

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### PRODUCT STANDARD

PRODUCT NAME : **BROCCOLI SPROUT POWDER** (FOOD)

This product is the powder of germinated broccoli (*Brassica oleracea* var. *italica*). It contains minimum 1.2 % of sulforaphane and 3.0 % of glucoraphanin.

<b><u>Appearance</u></b>	Slight yellowish powder with slight unique aroma.	
<b><u>Glucoraphanin</u></b>	Min. 3.0 %	(Sulforaphan amount(GC Method) $\times$ 2.46*)
<b><u>Sulforaphane</u></b>	Min. 1.2 %	(GC Method)
<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. $1 \times 10^3$ cfu/g	(Analysis for Hygienic Chemists)
<b><u>Moulds and Yeasts</u></b>	Max. $1 \times 10^2$ cfu/g	(Analysis for Hygienic Chemists)
<b><u>Coliforms</u></b>	Negative	(Analysis for Hygienic Chemists)

<b><u>Composition</u></b>	<u>Ingredient</u>	<u>Content</u>
	Broccoli sprout	100 %

**Expiry date** 2 years from date of manufacturing.

**Storage** Store it at room temperature, dry, ventilated area.  
Keep it away from high temperature and sunlight, and store it in a closed container.

2.46\*:  $436(\text{Molecular Weight of Glucoraphanin}) \div 177(\text{Molecular Weight of Sulforaphan})$

Established Date	January 9, 2002
Revised Date	October 5, 2023
Specification No.	Z-305EN