



ORYZA OIL & FAT CHEMICAL CO.,LTD.

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PRODUCT STANDARD

PRODUCT NAME: BROCCOLI SPROUT EXTRACT-PSC1 (COSMETIC)

This product is the powder extracted with aqueous ethanol from germinated broccoli (*Brassica oleracea* var. *italica*). It contains minimum 1.0 % of sulforaphane and 2.5 % of glucoraphanin. This powder is water-soluble.

<u>Appearance</u>	Slight yellowish powder with slightly characteristic odor.	
<u>Glucoraphanin</u>	Min. 2.5 %	(Sulforaphan amount(GC Method) \times 2.46*)
<u>Sulforaphane</u>	Min. 1.0 %	(GC Method)
<u>Loss on Drying</u>	Max. 10.0 %	(Analysis for Hygienic Chemists, 1g, 105 °C、 2 hr)
<u>Purity Test</u>		
<u>(1)Heavy Metals(as Pb)</u>	Max. 10 ppm	(The Second method of The Japanese Standards of Quasi-Drug Ingredients)
<u>(2) Arsenic (as As₂O₃)</u>	Max. 1 ppm	(The Third method of The Japanese Standards of Quasi-Drug Ingredients)
<u>Standard Plate Counts</u>	Max. 1 \times 10 ² cfu/g	(Analysis for Hygienic Chemists)
<u>Moulds and Yeasts</u>	Max. 1 \times 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>
	Brassica Oleracea Italica(Broccoli) sprout extract	50 %
	Dextrin	50 %
	Total	100 %
<u>Expiry date</u>	2 years from date of manufacturing.	
<u>Storage</u>	Store it at room temperature, dry, ventilated area. Keep it away from high temperature and sun light, and store it in a closed container.	

2.46*: 436(Molecular Weight of Glucoraphanin) \div 177(Molecular Weight of Sulforaphan)

Established Date	Nov. 10, 2012
Revised Date	August 30, 2018
Specification No.	Q-830EN