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PRODUCT STANDARD

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

This product is the powder extracted with aqueous ethanol from germinated broccoli (*Brassica oleracea* var. *italica*). It contains minimum 2.0 % of sulforaphane and 5.0% of glucoraphanin. This powder is water-soluble.

<u>Appearance</u>	Slight yellowish powder with slight unique aroma	
<u>Glucoraphanin</u>	Min. 5.0 %	(Sulforaphane amount (GC Method)×2.46 *)
<u>Sulforaphane</u>	Min. 2.0 %	(GC Method)
<u>Loss on Drying</u>	Max. 10.0 %	(Analysis for HygienicChemists, 1g, 105 °C、 2 hr)
<u>Purity Test</u>		
<u>(1)Heavy Metals (as Pb)</u>	Max. 10 ppm	(Sodium Sulfide Colorimetric Method)
<u>(2) Arsenic (as As₂O₃)</u>	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>	Ingredient Content (Values are just a guide)	
	Broccoli sprout extract	50%
	Maltodextrin	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 sunlight, and store it in a closed container.	

2.46* : 436(Molecular Weight of Glucoraphanin) ÷ 177(Molecular Weight of Sulforaphane)

Established Date	March 20, 2002
Revised Date	October 5, 2023
Specification No.	Z-305EN