

SC-GLUCAN

GENERAL DESCRIPTION FOR RAW MATERIAL

Glucans are natural polysaccharides found in oat, barley, wheat, yeast and fungi. The term "glucan" refers generically to a variety of naturally occurring homopolysaccharides or polyglucoses, including polymers such as cellulose, amylose, glycogen, laminarins and starch. Glucan encompasses branched and unbranched chains of glucose units linked by 1-3, 1-4, and 1-6 glucosidic bonds that may be of either the alpha or beta type. It is generally known that the glucan with β -(1,3) linkages has much more potent macrophage stimulating activity than any other linkage type.⁶



There are many different types of β -(1,3)-glucans. Depending on their source, they vary in physical and chemical characteristics such as their uniformity, the degree of branching, the molecular weight and the tertiary structure.

TECHNICAL INFORMATION

Product specification

Appearance	Colorless to Light yellow, viscous liquid
Odor	Characteristic slightly odour
Refractive Index (N_D^{20})	1.330 ~ 1.380
pH (Neat)	6.2 ~ 8.2
Specific Gravity (d20/20)	1.010 ~ 1.070
Total bacterial count	Not more than 100cfu/g
Yeast & molds	Not more than 10cfu/g

Processing & Dosage

The recommended dosage of SC-Glucan is 1-10%. SC-Glucan is a water-soluble active ingredient. In order not to disturb the structure and conformation of the actives, it is recommended to incorporate it into formula at the last phase of the formulation at about 40°C.

Storage & Shelf life

SC-Glucan should be stored at room temperature in a tightly closed and lightproof packing. If stored in these conditions the shelf life is at least 24 months. Once the original packing is open, it is highly recommended to use at once.

Safety information

The toxicological profile of SC-Glucan was fully assessed. (conducted in Nov, 1997)

- Acute oral toxicity
- Acute dermal toxicity
- Primary skin irritation
- Eye irritation
- Skin sensitization
- Human patch test
- Human usage test

PRODUCT INFORMATION

SC-GLUCAN

TRADE NAME	SC-GLUCAN
INCI NAME	COMPOSITION (INCI Key Index)
WATER	A
Glycerin	C
BETA-GLUCAN	F
PHENOXYETHANOL	
METHYLPARABEN	
ETHYLPARABEN	F
BUTYLPARABEN	
PROPYLPARABEN	
ISOBUTYLPARABEN	
STANDARD PACKAGE	20KG

INCI Key Index
A : Greater than 50%
B : Greater than 25% but less than or equal to 50%
C : Greater than 10% but less than or equal to 25%
D : Greater than 5% but less than or equal to 10%
E : Greater than 1% but less than or equal to 5%
F : Greater than 0.1% but less than or equal to 1%
G : Less than or equal to 0.1%

SC-GLUCAN PF

TRADE NAME	SC-GLUCAN
INCI NAME	COMPOSITION (INCI Key Index)
WATER	A
Glycerin	C
1,3-PROPANDIOL	D
BETAGLUCAN	F
PENOXYETHANOL	F
EHTYLHEXYLGLYCERIN	
STANDARD PACKAGE	20KG

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Remarks

The content of this document was established with utmost possible care. However, we reserve the right to add the information, to correct or to delete it without prior notice.