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Product Datasheet

GU1067 - Chitosan (10 - 120 cps); fungal origin

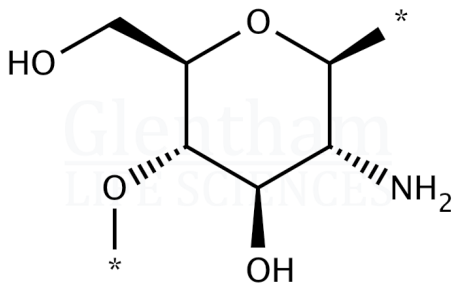
Product Details

Product Name	Chitosan (10 - 120 cps); fungal origin
Glentham Code	GU1067
CAS Number	9012-76-4
EINECS	618-480-0
Numéro MDL	MFCD00161512
Related Categories	Carbohydrates, Natural Products, Polysaccharides, Oligosaccharides, Chitin & Chitosan, Fungal Origin Chitin & Chitosan, Cosmetic Raw Materials

Structure

Molecular Weight : -

Molecular Formula : $[C_6H_{11}NO_4]n$



Storage

Recommended storage temperature: +20°C.

Hazards and Transport

Not classified as hazardous under CLP.

Not classified as dangerous for transport.

Glentham Product Specification

Physical Description	:	Off-white to light-yellow or pale tan powder
Solubility (1% in 1% acetic acid)	:	Clear to slightly turbid, colourless to pale yellow-brown solution
Viscosity (1% in 1% AcOH, 20°C)	:	10 - 120 cps
Ash	:	≤ 2.0%
Loss on Drying	:	≤ 15.0% (105°C)
Arsenic (As)	:	≤ 2ppm
Lead (Pb)	:	≤ 1ppm
Cadmium (Cd)	:	≤ 0.5ppm
Mercury (Hg)	:	≤ 0.5ppm
Heavy Metals	:	≤ 20ppm
Degree of Deacetylation	:	≥ 85%
Source	:	Mushroom
Version	:	v1.1

About Chitosan (10 - 120 cps); fungal origin

Chitosan is a polysaccharide comprised of linked D-glucosamine and N-acetyl-D-glucosamine units. It is produced by the deacetylation of chitin, a naturally occurring polysaccharide. Chitosan is commercially used in agriculture as a biopesticide but has potential applications in the biomedical field due to its antibacterial properties. This product is derived from fungal chitin.