

Product Datasheet

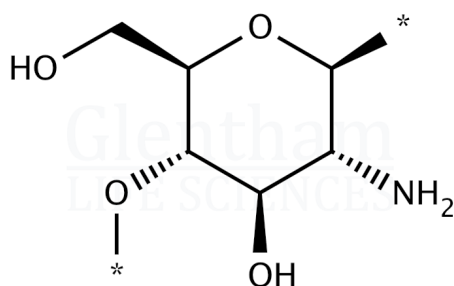
GU8949 - Chitosan (10 - 120 cps); from *Aspergillus niger*

Product Details

Product Name	Chitosan (10 - 120 cps); from <i>Aspergillus niger</i>
Glenthams Code	GU8949
CAS Number	9012-76-4
EINECS	618-480-0
MDL Number	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.

Glenthams 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%
Arsenic (As)	: ≤ 2.0ppm
Lead (Pb)	: ≤ 1.0ppm
Cadmium (Cd)	: ≤ 0.5ppm
Mercury (Hg)	: ≤ 0.5ppm
Heavy Metals	: ≤ 20ppm
Degree of Deacetylation	: ≥ 85.0%
Source	: <i>Aspergillus niger</i>
Version	: v1.1

About Chitosan (10 - 120 cps); from *Aspergillus niger*

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.

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