

Product Datasheet

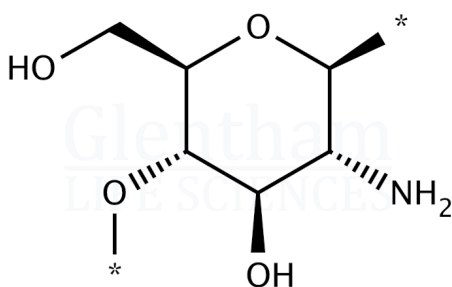
GP8689 - Chitosan (2000 - 3500 cps); very high molecular weight

Product Details

Product Name	Chitosan (2000 - 3500 cps); very high molecular weight
Glentham Code	GP8689
CAS Number	9012-76-4
EINECS	618-480-0
MDL Number	MFC00161512
Related Categories	APIs, Carbohydrates, Biochemicals, Natural Products, Polysaccharides, Oligosaccharides, Chitin & Chitosan

Structure

Molecular Weight : 1,800,000 (avg.)
Molecular Formula : [C₆H₁₁NO₄]_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	: White to light-tan powder
Degree of Deacetylation	: ≥ 90.0%
Ash	: ≤ 1.0%
Viscosity	: 2000 - 3500 cps (1% in 1% acetic acid, 20°C)
Water	: ≤ 8.0%
Solubility (in acetic acid)	: ≥ 99%
pH	: 6.0 - 8.0 (1% in 1% acetic acid, 20°C)
Arsenic (As)	: ≤ 1mg/kg
Lead (Pb)	: ≤ 0.5mg/kg
Mercury (Hg)	: ≤ 0.1mg/kg
Cadmium (Cd)	: ≤ 1mg/kg
Particle Size	: ≤ 100 mesh
Microbiological Counts	: E. coli, S. Aureus, Coliforms: ≤ 3MPN/g (each) : Salmonella spp.: Not detected in 25g : Yeast and Moulds: ≤ 100 CFU/g : Total Plate Count: ≤ 1000 CFU/g
Version	: v1.1

About Chitosan (2000 - 3500 cps); very high molecular weight

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 shrimp shell.

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