

## Product Datasheet

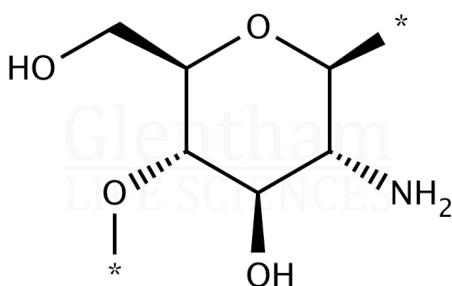
### GP8689 - Chitosan (2000 - 3500 cps); very high molecular weight

#### 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	MFCD00161512
Related Categories	APIs, Carbohydrates, Biochemicals, Natural Products, Polysaccharides, Oligosaccharides, Chitin & Chitosan, Cosmetic Raw Materials

#### Structure

Molecular Weight : 1,800,000 (avg.)  
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	: White to light-tan powder
Degree of Deacetylation	: $\geq 90.0\%$
Ash	: $\leq 1.0\%$
Viscosity	: 2000 - 3500 cps (1% in 1% acetic acid, 20°C)
Water	: $\leq 8.0\%$
Solubility (in acetic acid)	: $\geq 99\%$
pH	: 6.0 - 8.0 (1%, 20°C)
Arsenic (As)	: $\leq 1\text{mg/kg}$
Lead (Pb)	: $\leq 0.5\text{mg/kg}$
Mercury (Hg)	: $\leq 0.1\text{mg/kg}$
Cadmium (Cd)	: $\leq 1\text{mg/kg}$
Particle Size	: $\leq 100$ mesh
Microbiological Counts	: E. coli, S. Aureus, Coliforms: $\leq 3\text{MPN/g}$ (each) : Salmonella spp.: Not detected in 25g : Yeast and Moulds: $\leq 100\text{CFU/g}$ : Total Plate Count: $\leq 1000\text{CFU/g}$
Version	: v1.2

### 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.

This document was generated electronically and is therefore valid without signature. © Glentham Life Sciences Ltd, 2024