

## Product Datasheet

### GP7325 - Chitosan (100 - 300 cps);

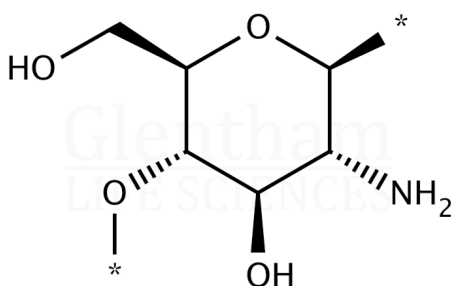
### low molecular weight

#### Product Details

Product Name	Chitosan (100 - 300 cps); low molecular weight
Glentham Code	GP7325
CAS Number	9012-76-4
EINECS	618-480-0
Numéro MDL	MFCD00161512
Related Categories	APIs, Carbohydrates, Biochemicals, Natural Products, Polysaccharides, Oligosaccharides, Chitin & Chitosan, Cosmetic Raw Materials

#### Structure

Molecular Weight : 890,000 (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	: ≥ 90.0%
Sulphated Ash	: ≤ 1.0%
Viscosity (1% in 1% AcOH, 20°C)	: 100 - 300 cps
Water	: ≤ 8.0%
Solubility (in acetic acid)	: ≥ 99%
pH (1% in water, 20°C)	: 6.0 - 8.0
Arsenic (As)	: ≤ 1ppm
Lead (Pb)	: ≤ 0.5ppm
Mercury (Hg)	: ≤ 0.1ppm
Cadmium (Cd)	: ≤ 1ppm
Particle Size	: ≤ 100mesh
Yeast and Mould	: ≤ 100CFU/g
Total Plate Count	: ≤ 1000CFU/g
Version	: v1.1

#### About Chitosan (100 - 300 cps); low 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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