

## Product Datasheet

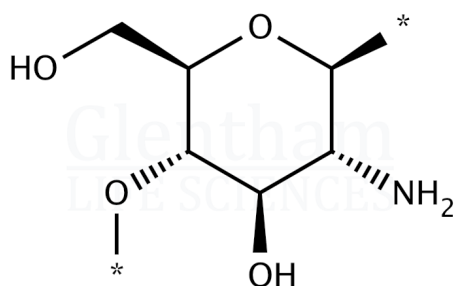
### GP1318 - Chitosan (5 cps); ultra low molecular weight

#### Product Details

Product Name	Chitosan (5 cps); ultra low molecular weight
Glentham Code	GP1318
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	: 20,000 (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	: $\geq 90.0\%$
Sulphated Ash	: $\leq 1.0\%$
Viscosity (1% in 1% AcOH, 20°C)	: $\leq 5$ cps
Water	: $\leq 8.0\%$
Solubility (in acetic acid)	: $\geq 99\%$
pH (1% in water, 20°C)	: 6.0 - 8.0
Arsenic (As)	: $\leq 1$ ppm
Lead (Pb)	: $\leq 0.5$ ppm
Mercury (Hg)	: $\leq 0.1$ ppm
Cadmium (Cd)	: $\leq 1$ ppm
Particle Size	: $\leq 100$ mesh
Yeast and Mould	: $\leq 100$ CFU/g
Total Plate Count	: $\leq 1000$ CFU/g
Version	: v1.1

#### About Chitosan (5 cps); ultra 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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