

## Product Datasheet

### GC1909 - Chitosan

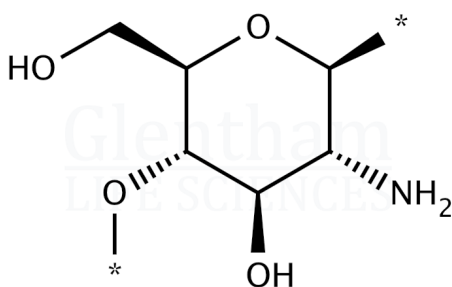
#### Product Details

Product Name	Chitosan
Glenthams Code	GC1909
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

Physical Description	: White to light tan powder
Deacetylated degree	: $\geq 90.0\%$
Water	: $\leq 8.0\%$
Sulphated Ash	: $\leq 1.5\%$
Arsenic	: $\leq 0.5\text{ppm}$
Heavy Metals	: $\leq 10\text{ppm}$
Total Plate Count	: $\leq 1000\text{CFU/g}$
Yeast & Mould	: $\leq 100\text{CFU/g}$
Version	: v1.0

#### Structure

Molecular Weight	: ~200,000
Molecular Formula	: $(\text{C}_6\text{H}_{11}\text{NO}_4)_n$



#### About Chitosan

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.

#### Storage

Recommended storage temperature: +20°C.

#### Hazards and Transport

Not classified as hazardous under CLP.  
Not classified as dangerous for transport.

#### Glenthams Product Specification

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