

## Product Datasheet

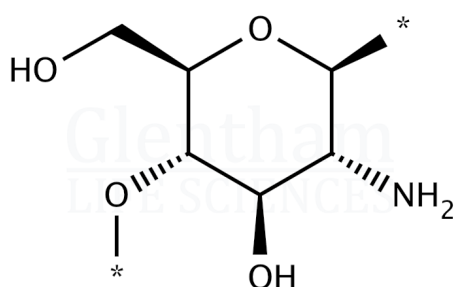
### GC9009 - Chitosan, low molecular weight

#### Product Details

Product Name	Chitosan, low molecular weight
Glenthams Code	GC9009
CAS Number	9012-76-4
EINECS	618-480-0
MDL-Nummer	MFCD00161512
Related Categories	APIs, Carbohydrates, Biochemicals, Natural Products, Polysaccharides, Oligosaccharides, Chitin & Chitosan, Cosmetic Raw Materials

#### Structure

Molecular Weight : ~50,000  
Molecular Formula :  $(C_6H_{11}NO_4)_n$



#### Glenthams Product Specification

Physical Description	: Off-white to light brown or yellow powder
Water	: $\leq 10.0\%$
Ash	: $\leq 2.0\%$
Viscosity	: $\leq 100\text{mPa.s}$
Heavy Metals	: $\leq 10\text{ppm}$
Version	: v1.0

#### About Chitosan, 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.

#### Storage

Recommended storage temperature: +20°C.

#### Hazards and Transport

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

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