

## Product Datasheet

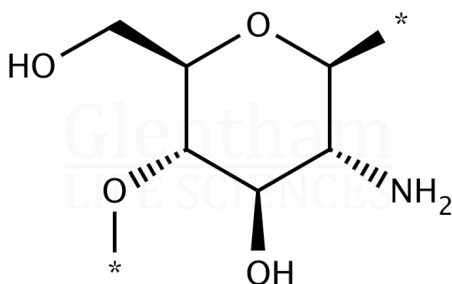
### GE4907 - Chitosan, from squid

#### Product Details

Product Name	Chitosan, from squid
Glenthams Code	GE4907
CAS Number	9012-76-4
EINECS	618-480-0
MDL Number	MFCD00161512
PubChem SID	310269598
Related Categories	Carbohydrates, Biochemicals, Natural Products, Polysaccharides, Oligosaccharides, Chitin & Chitosan

#### Structure

Molecular Weight : ~580,000  
Molecular Formula :  $[C_6H_{11}NO_4]_n$



Physical Description	: White to light-brown, or light-yellow powder
Degree of Deacetylation	: $\geq 90\%$
Ash	: $\leq 1.0\%$
Viscosity	: 10 - 100 cps
Water	: $\leq 10.0\%$
Solubility (in acetic acid)	: $\geq 99\%$
pH	: 6.0 - 8.0 (1% in 1% acetic acid, 20°C)
Arsenic (As)	: $\leq 1.0\text{mg/kg}$
Lead (Pb)	: $\leq 0.5\text{mg/kg}$
Mercury (Hg)	: $\leq 0.1\text{mg/kg}$
Particle Size	: $\leq 0.5\text{mm}$
Microbiological Counts	: E. coli: $\leq 3$ MPN/g : Salmonella spp.: Absent : Yeast and Moulds: $\leq 100$ CFU/g : Total Plate Count: $\leq 1000$ CFU/g
Version	: v1.1

#### About Chitosan, from squid

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 squid.

#### 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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