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Product Datasheet

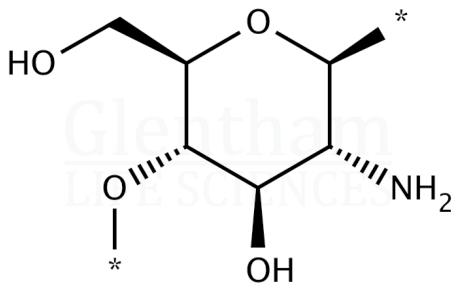
GP8523 - Chitosan (30 - 100 cps); low molecular weight

Product Details

Product Name	Chitosan (30 - 100 cps); low molecular weight
Glentham Code	GP8523
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	:	250,000 (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%
Ash	:	≤ 1.0%
Viscosity	:	30 - 100 cps
Water	:	≤ 8.0%
Solubility (in acetic acid)	:	≥ 99%
pH	:	6.0 - 8.0 (1%, 20°C)
Arsenic (As)	:	≤ 1.0mg/kg
Lead (Pb)	:	≤ 0.5mg/kg
Mercury (Hg)	:	≤ 0.1mg/kg
Particle Size	:	≤ 100 mesh
Microbiological Counts	:	E. coli: ≤ 3 MPN/g
	:	Salmonella spp.: Absent
	:	Yeast and Moulds: ≤ 100 CFU/g
	:	Total Plate Count: ≤ 1000 CFU/g
Version	:	v1.1

About Chitosan (30 - 100 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.