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Product Datasheet

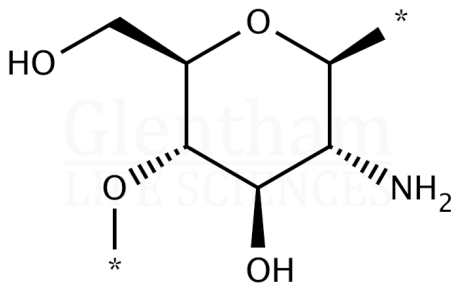
GP1318 - Chitosan (5 cps); ultra low molecular weight

Product Details

Product Name	Chitosan (5 cps); ultra low molecular weight
Glentham Code	GP1318
CAS Number	9012-76-4
EINECS	618-480-0
Numéro MDL	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	:	≥ 90.0%
Sulphated Ash	:	≤ 1.0%
Viscosity (1% in 1% AcOH, 20°C)	:	≤ 5cps
Water	:	≤ 8.0%
Solubility (in acetic acid)	:	≥ 99%
pH (1% in water, 20°C)	:	6.0 - 8.0
Arsenic (As)	:	≤ 1ppm
Lead (Pb)	:	≤ 0.5ppm
Mercury (Hg)	:	≤ 0.1ppm
Cadmium (Cd)	:	≤ 1ppm
Particle Size	:	≤ 100mesh
Yeast and Mould	:	≤ 100CFU/g
Total Plate Count	:	≤ 1000CFU/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.