

Product Datasheet

GC0425 - Chitin

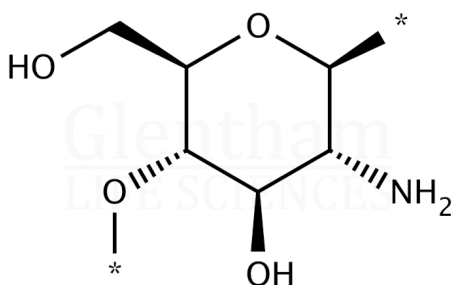
Product Details

Product Name	Chitin
Glenthams Code	GC0425
CAS Number	1398-61-4
EINECS	215-744-3
MDL Number	MFCD00466914
Related Categories	APIs, Carbohydrates, Biochemicals, Natural Products, Polysaccharides, Chitin & Chitosan

Physical Description	: White to yellow-orange or tan powder
Ash	: $\leq 1.0\%$
Protein	: $\leq 1.0\%$
Water	: $\leq 10.0\%$
pH (1% in water)	: 6.0 - 8.0
Arsenic (As)	: $\leq 1\text{ppm}$
Lead (Pb)	: $\leq 0.5\text{ppm}$
Mercury (Hg)	: $\leq 0.1\text{ppm}$
Cadmium (Cd)	: $\leq 1\text{ppm}$
Particle Size	: $\leq 0.5\text{mm}$
Version	: v1.1

Structure

Molecular Weight : $[203.19]_n$
Molecular Formula : $[C_8H_{13}NO_5]_n$



About Chitin

Chitin is a polysaccharide naturally found in the exoskeletons of arthropods and is composed of β -1,4, linked N-acetyl-D-glucosamine units. The applications of chitin range from simply being a thickening agent to being used in the biomedical field due to its antimicrobial activity. It is also used to study chitinases and other related enzymes.

Storage

Recommended storage temperature: $+20^{\circ}\text{C}$.

Hazards and Transport

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

Glenthams Product Specification

This document was generated electronically and is therefore valid without signature. © Glenthams Life Sciences Ltd, 2024