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
MDL Number MFCD00161512
Related Categories APIs, Carbohydrates, Biochemicals, Natural Products, Polysaccharides, Oligosaccharides, Chitin Chitosan

Structure

Molecular Weight : 20,000 (avg.)
Molecular Formula : [C6H11NO4]n

Physical Description : White to light-tan powder
Degree of Deacetylation : ≥ 90.0%
Suiphated 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.

Storage

Recommended storage temperature: +20°C.

Hazards and Transport

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

Glentham Product Specification

This document was generated electronically and is therefore valid without signature. © Glentham Life Sciences Ltd, 2022