GC1909 - Chitosan

Product Details

- **Product Name**: Chitosan
- **Glentham Code**: GC1909
- **CAS Number**: 9012-76-4
- **EINECS**: 618-480-0
- **MDL Number**: MFCD00161512
- **Related Categories**: APIs, Carbohydrates, Biochemicals, Natural Products, Polysaccharides, Oligosaccharides, Chitin

Structure

- **Molecular Weight**: ~200,000
- **Molecular Formula**: (C6H11NO4)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
- **Deacetylated degree**: ≥ 90.0%
- **Water**: ≤ 8.0%
- **Sulphated Ash**: ≤ 1.5%
- **Arsenic**: ≤ 0.5ppm
- **Heavy Metals**: ≤ 10ppm
- **Total Plate Count**: ≤ 1000CFU/g
- **Yeast Mould**: ≤ 100CFU/g
- **Version**: v1.0

About Chitosan

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.