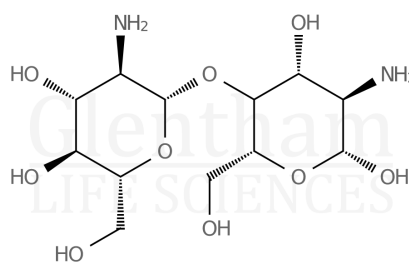


## Product Specification

|                   |   |
|-------------------|---|
| Product Name      | Chitosan oligosaccharide, fungal origin |
| Glentham Code     | GU3511                                  |
| CAS Number        | 148411-57-8                             |
| MDL Number        | MFCD00161512                            |
| Molecular Weight  | ≤ 3,000 (avg.)                          |
| Molecular Formula | ---                                     |
| Storage Temp.     | +20°C                                   |



| Property                 | Specification  |
|--------------------------|--|
| Physical Description     | Off-white to light-yellow or tan powder                        |
| Solubility (5% in water) | Clear to slightly turbid, pale yellow to yellow-brown solution |
| Degree of Deacetylation  | ≥ 90.0%  |
| Average Molecular Weight | ≤ 3000   |
| pH (1% in water)         | 5.0 - 7.0  |
| Ash                      | ≤ 1.0%   |
| Water                    | ≤ 10.0%  |
| Arsenic (As)             | ≤ 2.0ppm   |
| Lead (Pb)                | ≤ 1.0ppm   |
| Mercury (Hg)             | ≤ 0.5ppm   |
| Cadmium (Cd)             | ≤ 1.0ppm   |
| Heavy Metals             | ≤ 10ppm  |
| Particle Size            | 100% to pass 100 mesh  |
| Origin                   | Mushroom   |

|                       |   |            |
|-----------------------|---|------------|
| Specification Version | - | v1.2       |
| Date Created          | - | 2023-07-27 |

Glentham Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check [www.glentham.com](http://www.glentham.com) or contact us using the details above for the current version of this document.

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