

Technical Data Sheet

Chitosan

Compound Information

Product Name:	Chitosan
CAS No.:	9012-76-4
Molecular Formula:	C ₆ H ₁₁ NO ₄ X ₂
Molecular Weight:	161.16
Storage:	Store at RT
Revision Date:	2026-04-15

Analytical Information

Tests	Specifications
Appearance	White to light tan powder or light yellow powder
Lead (Pb)	≤0.5 ppm
pH	6 -8
Yeast and Mold	≤ 100 cfu / g
E. Coli	≤ 3 MPN / g
Microbial Count	≤ 1000 cfu / g (TPC)
Particle Size	≤100 mesh
Ash	≤ 1%
Solubility	dilute aqueous acid (pH <6.5).: soluble
Viscosity	1000 - 2000 cP
Arsenic (As)	≤1 ppm
Salmonella	Not detected in 25 g
Mercury (Hg)	≤0.2 ppm
Cadmium (Cd)	≤1 ppm
Water Content (Karl Fisher)	≤ 8%
Coliform Organisms	≤ 3 MPN / g
Staphylococcus Aureus	≤ 3 MPN / g
Degree of Deacetylation	≥90%
IR	Pass test

Disclaimer: This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. Such information is to be the best of the company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy himself as to the suitability & completeness of such information for his own particular use.