

# Aspergillus Niger Chitosan



Cat. No. VCP-002

Lot. No. (See product label)

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## Product Name

Aspergillus Niger Chitosan

## Form

Off-white to light yellow powder.

## Cas No.

9012-76-4

## Specification

Acid-soluble & Water-soluble.

## Main Applications

Wine Fining Agent, Dietary Supplement for Fat Binder, Food, Cosmetics.

## Product Description

Aspergillus Niger Chitosan is a specialized form of chitosan derived from the fungal species *Aspergillus niger*. This fungal-derived chitosan is fully plant-based, making it an excellent option for vegetarians, vegans, and individuals with shellfish allergies.

## Source

Aspergillus Niger

## pH

7-8

## Specification & Customization

We offer customized Aspergillus Niger Chitosan solutions to meet your specific needs, including adjustments to molecular weight, degree of deacetylation, and other properties.

## Degree of Deacetylation

Typically  $\geq 98\%$

## Molecular Weight

Variable, often around 20,000 Da.

## Solubility

Soluble in acidic solutions or water.

## Benefits & Features

Vegan. Derived from fungi, suitable for people with dietary restrictions or shellfish allergies.

High purity. Provides a clean, consistent product free of animal derivatives.

Environmentally friendly. Sustainable production process minimizes environmental impact.

Biocompatible. Safe for use in medical, pharmaceutical and cosmetic applications.

## Functions

Antimicrobial. Inhibits the growth of bacteria and fungi, making it ideal for food preservation and wound care.

Film-forming. Forms strong, flexible films suitable for coating, packaging and drug delivery systems.

Biodegradability. Environmentally friendly and naturally decomposes without harming the ecosystem.

Immune enhancement. Used in dietary supplements and health products to enhance immune function.

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