



# COMPANY PROFILE

Manufacturing Marine Bio-Products

# ABOUT US

**Neithal Biotech Private limited** was established in the year 2019 with the principal objective of promoting processing and exporting of Marine Bio-Product from marine waste around the Indian Coastal belt. In line with the company's vision to develop the products set out on an ambitious project to convert the waste generated at its procurement and seafood processing centers into value-added products. With the conclusion of various researches we have evolved to develop value-added products as a by-product of the seafood processing industry.

Later we had set up its pilot plant at Thoothukudi to conduct trial production of Chitin, Glucosamine HCL and Chitosan. We started in 2020 as manufacturers of Glucosamine and Chitosan commercially. We are one of the leading manufacturers, suppliers and exporters of chitin, chitosan and derivatives. We are sourcing high-quality sea crustaceans waste. Our various assortments of chitin products find usage in distinctive segments such as antimicrobial agent, edible film industry, water treatment, pulp and paper surface treatment, textiles, finishing treatment, cosmetics/personal care, nutritional quality dietary fiber, clarification and purification sewage effluents, agriculture, additive/food, and product separation.

Our quest for excellence and commitment towards nature, to reduce the waste to zero level has prompted us to use an advanced infrastructure in production and Research and Development. We follow very stringent quality measures to ensure that every product is monitored and catered to the satisfaction of our clients. All our products are widely appreciated for their reliability, effectiveness and accurate results. We are striving hard to achieve our aim of enhancing and paying an equal contribution to the country by encouraging the spirit of discovery and research activities.

# OUR STRENGTHS

## PRODUCTION FACILITY

Our manufacturing facility is located at Thoothukudi, Tamil Nadu, India. It is spread over 48,000 Sq. ft and has about 15 employees. With a combined reactor volume of 10kL and a wide range of reaction capabilities, we have a current capacity of 2TPM for Chitosan production and will be expanded to 5TPM within couple of months.

## QUALITY SYSTEMS

We believe it is possible to meet the need of humanity, through science we can serve the world through innovation without compromising the quality. We have established best practice procedures, quality indicators and measures in every phase of the workflow. All raw material and finished product testing are done in-house. Stringent quality assurance systems are in place to ensure quality of our products.

## RESEARCH & DEVELOPMENT

Every day, we strive to live up to the customer and to earn trust in our communities. We aim to grow by constantly adding new products as well as building strong intellectual property assets. We are well equipped to handle projects from the gram-scale to kilogram scale. We procure effective and efficient research and development is a prerequisite for innovation.

# PRODUCTS



**CHITIN**



**CHITOSAN**



**GLUCOSAMINE HCL**

# CHITIN

We are one of the leading manufacturers and suppliers of a premium quality chitin which is one of the chief components found in the exoskeletons of shrimps, prawns, and crabs. It is a form of polysaccharide, which is constructed from units of acetyl-glucosamine (N-acetyl-Dglucos-2-amine). These are associated together in  $\beta$ -1,4 fashion (in a similar manner to the glucose units which form cellulose). In effect chitin may be described as cellulose with one hydroxyl group on each monomer replaced by an acetyl amine group. This helps in allowing increased hydrogen bonding between adjacent polymers, which results in giving the polymer-increased strength.

Usage/Application	
<b>Form</b>	<b>Flakes / Powder</b>
<b>Packaging Size</b>	<b>10 Kg</b>
<b>Packaging Type</b>	<b>HDPE Bag</b>
<b>Grade Standard</b>	<b>Export Grade</b>

# CHITOSAN

Pioneers in the industry, we offer chitosan DA 75% to 95%, low viscous and high viscous in the form of flakes/powder in line with Pharma, industrial and commercial grade.

## Chitosan DA above 90%

Packaging Size	10 Kg-HDPE Bag
Usage	Industrial/Pharma/Agriculture
Physical State	Flakes/Powder
Color	Off White
Deacetylation	greater than 90%
Ash	less than 2%
Moisture	less than 10%
Viscosity	greater than 30 cps (1%)

## Chitosan DA above 85%

Packaging Size	10 Kgs HDPE Sacks with Polyethylene lining
Usage	Industrial/Pharma/Agriculture
Physical State	Flakes/Powder
Color	Off White
Deacetylation	greater than 85%
Ash	less than 2%
Moisture	less than 10%
Viscosity (1%)	greater than 500 cps

# CHITOSAN

## Chitosan DA above 80%

Packaging Size	10 Kg-HDPE Bag
Usage	Industrial/Pharma/Agriculture
Physical State	Flakes/Powder
Color	Off White
Deacetylation	greater than 80%
Ash	less than 2%
Moisture	less than 10%
Viscosity (1%)	greater than 700 cps

## Chitosan DA above 75%

Packaging Size	10 Kgs HDPE Sacks with Polyethylene lining
Usage	Industrial/Pharma/Agriculture
Physical State	Flakes/Powder
Color	Off White
Deacetylation	greater than 75%
Ash	less than 2%
Moisture	less than 10%
Viscosity (1%)	greater than 700 cps

# CONTACT US

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