



PROFESSIONAL
SODIUM ALGINATE
MANUFACTURER

LANNERET 蓝诺®

Qingdao Lanneret Biochemical Co.,Ltd

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LANNERET 蓝诺®



Company Profile:

Qingdao Lanneret Biochemical Co., Ltd is one of the main sodium alginate manufacturers in Qingdao China. We have specialized in producing and exporting sodium alginate for more than 14 years.

We mainly produce food grade and industrial grade sodium alginate, which are widely used in the field of food, textile, paint and so on.

Our yearly output for sodium alginate is 5000 MTS. We have advanced technology and effective management system which can reduce the production costs extremely to supply our customers the sodium alginate with the best quality and the most competitive price.

We focus on the principle of quality first, customer first and prestige supreme in our business. So our products enjoyed very high reputation in the domestic and oversea market during the past years. Our main markets covers Europe, North America, South America, Middle East, Asia etc which contains more than 50 countries.

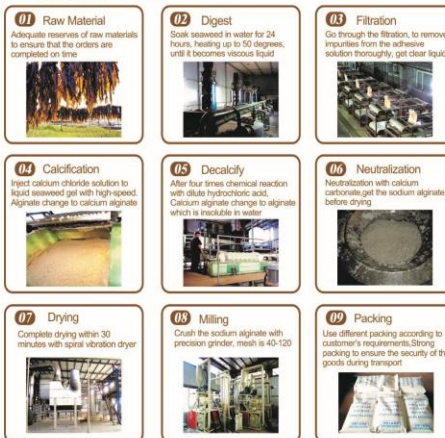
As a manufacturer of sodium alginate, We gained the certification of ISO9000 and SGS. We sincerely hope we could cooperate with customers from all over the world and provide customers the excellent products and service.

Qingdao Lanneret Biochemical Co., Ltd welcomes all the customers to visit our company whenever necessary.

01



Production Flow:



02



Textile Grade Sodium Alginate

01 INTRODUCTION

Sodium alginate is an ideal thickener in reactive dye printing as it can not react with reactive dyes. As a water-soluble polymer, sodium alginate can be easily dissolved in water to form a viscous solution. In the printing and dyeing industry, sodium alginate has good washing out, high paste off rate, the film formed after printing on fabric has certain adhesion and flexibility. It does not react with dyes and other auxiliaries, the film formed after the film even after baking or high-temperature steam, it will be easily removed in the washing process, so that the hand feeling of the fabric is soft.

02 LANNERET ADVANTAGE

1. High purity and stability.
2. Good filtration, high permeability rate.
3. Easy to color and good washing out.
4. Clear and bright pattern.

03 LANNERET COMMITMENT

1. Fast delivery: Adequate cargo inventory to ensure shipments are shipped within 7 days after the order is confirmed.
2. Quality stability: Advanced production equipment, standardized production process, strict factory inspection, 260 professional production technicians, and 10 professional inspection personnel escort our products. Ensure that the quality of the goods is absolutely steady.
3. Communication and after-sales service: Professional foreign trade sales and after-sales service team make your purchases easy and happy.
4. LANNERET Purpose: We produce each cargo carefully with high responsibility. To give users the most reliable products, perfect experiences and the best service.

04 THE BASIC INDEX

PRODUCTS NAME:	Textile Grade Sodium Alginate
COLOUR:	Light Brownish
MOISTURE(%):	<15
PH VALUE:	6.0-8.0
CA CONTENT(%):	<0.015
MESH:	40-120 mesh
PVI:	0.60-0.95
SUCTION FILTRATION:	32inV.0.8bar=150g



03



05 PRODUCT CATEGORY

We can provide the following models:

SOLUTION	VISCOSITY	SOLUTION	VISCOSITY
1%	100cps	2%	50cps
1%	300cps	2%	600cps
1%	600cps	2%	800cps
1%	800cps	2%	1400cps
1%	>1000cps	2%	2500cps

06 APPLICATION

1. Initial paste formula:

NAME	PERCENTAGE	ANNOTATION
SODIUM ALGINATE	3-5 KG	
SODIUM HEXAMETAPHOSPHATE	0.5 KG	MAKE WATER SOFT, IF WATER IS SOFT, NO NEED TO ADD IT.
WATER	X KG	
TATOL	100 KG	



INITIAL PASTE

2. Printing paste formula:

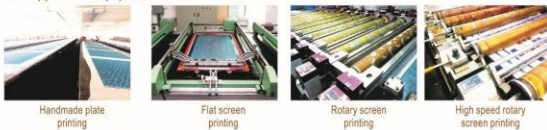
NAME	PERCENTAGE	NOTE
INITIAL PASTE	40-75 KG	THE PERCENTAGE IS DIFFERENT ACCORDING TO THE FLAT MACHINE, ROTARY MACHINE AND ROLLER MACHINE.
UREA	1-15 KG	
REACTIVE DYES	X KG	
RESIST SALT	0.7-1 KG	
SODA ASH	1 KG	IT IS SUITABLE FOR DARK COLOR FABRIC. FOR LIGHT COLOR FABRIC PRINTING, NO NEED TO ADD IT.
SODIUM BICARBONATE	2.5 KG	
WATER	Y KG	
TOTAL	100%	



PRINTING PASTE

04

3. Applicable equipment



07 OUR LAB AND TEST



08 PACKING



Food Grade Sodium Alginate

01 INTRODUCTION

Sodium alginate is called the algin, it is natural high polymer polyaccharide which extracted from the brown alga plant and it's one kind of fibers which could dissolve in water. It can lower the blood pressure and decrease blood glucose, adjust the blood fats and enhance the immunity, besides, algin could increase the sense of fullness to lose weight, it also can hindrance radioactive element absorption to promote the row of lead and so on. At present, sodium alginate has been widely applied in various foods.



02 CHARACTERISTICA OF SODIUM ALGINATE

1. GEL PROPERTIES

In the food industry, alginate is mainly used as a gelling agent and thickener. As the basic and the most important properties of sodium alginate. Gelling properties can be used not only a wide range of gel, such as soft and hard gel, semi solidified gel (medical ointment, jam etc.), but also the fat substitutes because of the properties of thermally irreversible.

2. THICKENING PROPERTIES

Thickening is a common characteristic of sodium alginate, it can improve the viscosity of products. In alginate solution, due to the larger molecular weight of alginate, the molecular chain is longer, the polymer chain formed irregular coil and it is easy for each other to tangle with, so the viscosity increased rapidly due to the flow resistance increased, its relative molecular mass is larger, the thickening effect is better. The viscosity of ordinary type high viscosity alginate is 500-1200mpa.s.

03 FILM-FORMING PROPERTIES

Sodium Alginate has good film-forming properties, the film formed after the water of alginate solution evaporated and oil and the fat can not permeate from it, but the water vapor can permeate the film, so the alginate could be used in mask, artificial casings and other products.

THE BASIC INDEX

PRODUCTS NAME :	Food Grade Sodium Alginate
COLOUR :	Light Brownish / White
TRANSPARENCY :	Excellent
MOISTURE (%) :	<12
PH VALUE :	6.0-8.0
INSOLUBLE MATTER IN WATER (%) :	<0.6
MESH :	40-200 mesh (according to the customer request)
ASH CONTENT (%) :	16-27
ARSENIC AS (%) :	<0.0002
LEAD PB (%) :	<0.0004