

## Sonish Starch Technology Co., Ltd. (SNST)

One of aA alliance group in Thailand who produces native tapioca starch (Super High Grade) with decades of experience, and also modified tapioca starch with high quality, supplied to various paper and food industries, exported to several countries and also to many manufacturers in Thailand especially Double A (1991) Public Company Limited (The biggest paper manufacturer in Thailand).

At the present, our full capacity is around 70,000 tons/year. In Thailand, we have been largest supplier of modified tapioca starch in distribution to typewriting paper industry group. We also supplies modified tapioca starch to packaging industry and food industry. At present , annual production capacity of modified tapioca starch is 50,000 tons.

### SNST Vision

SNST commit to be one of top 5 manufacturers for modified tapioca starch mainly used in paper industry both Domestic and Export market.

### SNST 9 Missions

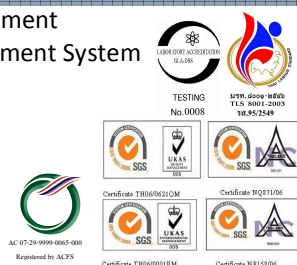
- 1.To produce modified tapioca starch for region paper industry by on emphasize printing and writing paper industry.
- 2.To produce tapioca starch at high quality level(Super Hi-Grade)
- 3.To enhance market of modified tapioca starch and balance the market among aA group, domestic and export market.
- 4.Our products can be competitive by gaining net profit.
- 5.To stabilize and strengthen our market base, by obtaining continual prospect customer.
- 6.To achieve and maintain the international standard (ISO 9001, ISO 14001, ISO/IEC 17025) also meet the customer requirement.
- 7.To develop SNST to be a learning organization.
- 8.To stabilize of the raw material supply building network alliance.
- 9.To extend of native tapioca starch (wet cake) for supplying for aAE(Double A Ethanol)

### COMPANY STRENGTH

- High volume of regular customer and constant orders.
- Over 10 years skill and expertise in tapioca starch production.
- Its plant location is adjacent to the customers having continually bought over 80% of its sale volume.
- Compared with other starch factories, Sonish factory size is ranked as high in production capacity.
- The products material source is within 50 kms radius from Sonish factory.
- There is also extensive industry : modified starch this provides beneficial product variety as well as industrial diversity.
- High quality products, especially in the paper industry.
- Certified of ISO 9001:2000, Non-GMOs, Halal certification - thus the company is surely reliable to customers.
- Utilities supports by multifarious enterprises : energy, transport , machinery, labor, etc.
- Enriched of markets and technology for food industry.
- World' first manufacturer who applies the flash drier for dry pulp.

### ACHIEVEMENT

- ISO 9001 Quality System Management
- ISO 14001 Environmental Management System
- ISO/IEC 17025
- TLS 8001 Thai Labor Standard
- Halal
- Non - GMOs Product Certification
- Quality Mark Standard



## OUR PRODUCTS

### 1. Native tapioca Starch (Super High Grade)

**Applications :** Applied in paper, food, medicine, sweetener, adhesive industry, etc.

**Characteristics :** Good stabilizer, transparency, odorless, film former and adhesive.

#### Specification

Appearance	white powder
Odor & Flavor	none
Starch Content	85 % min.
Moisture	13 % max.
Viscosity	550 Bu min.
pH	4.5 - 7.0
Ash	0.2 % max.
Pulp	0.2 cc. max.
Sieve	1.0 % max.
Whiteness	90 % min.
SO <sub>2</sub>	30 ppm max.(food)
Package size	25, 50, 300, 500, 850, 1000 kgs. follow the requirement of a customer



### 2. Modified tapioca Starch

Three main products of Modified tapioca Starch are following.

#### 2.1 Cationic Starch

**Applications :** Applied in paper industry (wet-end additive)

**Characteristics :** Emulsifier substance  
: Increase strength of pulp and paper  
: Reduce BOD, COD degrees of waste water  
: Retain the filler of product



#### 2.2 Oxidized Starch

**Applications :** Applied in paper industry (surface sizing)

**Characteristics :** Reinforce the paper  
: Smoothen the paper surface (surface smoothness and printability)



#### 2.3 Acetylated Starch

**Applications :** Applied in food industry (noodle, sauce, meat ball, frozen food)

**Characteristics :** Emulsifier substance, texture improvement and increase stabilizer.



### 3. Dried Tapioca Pulp

- Around 10,000 tons of desiccated tapioca pulp annually sold to feed mill industry.

- World' first manufacturer who applies the flash dryer for dry pulp.

**Applications :** Used as feeds and fodders for fish and cattle.

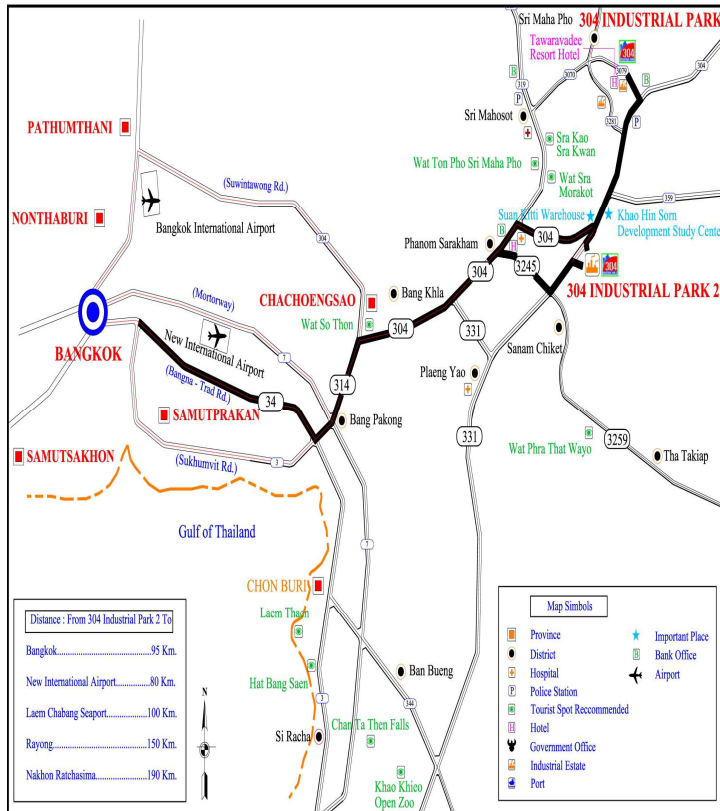
#### Specification

Starch Content	55 % min.
Ash	2 % max.
Fiber	20 % max.
Package size	50, 500 kgs. and Bulk loading in truck

## SERVICE

- Short lead time delivery.
- Full Support of logistics services.
- Technical Support Team can serve to meet customer requirement and also this team can improve the customer specification.

## FACTORY LOCATION



### Sonish Starch Technology Co., Ltd.

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N ever give up  
S uccess  
T eamwork

