



PT. Sari Agro Manunggal

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Jln. Lintas Timur Desa Banjar Dewa Kec. Banjar Agung

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PT. Sari Agro Manunggal Company Limited is a manufacturing company of native tapioca starch. Our company supplies high quality tapioca starch to local key manufacturers as well as exports to foreign markets under the brand "Agromas & SAM". We can supply on your brands as requested.



Company Information

Type of Business	Native Tapioca Starch Manufacturer
Year Established	2017
Monthly Capacity	5000 Metric Tons/ month
Employees	180 People
Domestic Sales	100% Local : • Food (Frozen Industry included) • Non Food (Paper and Corrogated Company included)
Packaging	25kg, 50kg, and Jumbo Bag 850kg

Company Details

We would like to take this opportunity of briefly introducing PT. Sari Agro Manunggal, one of the biggest tapioca starch manufacturer in Indonesia. PT. Sari Agro Manunggal Limited is a native tapioca starch manufacturer located in Lampung province. We are specialized in producing tapioca starch serving various industries.

Industrial Grade Tapioca Starch

1. **Textile industry tapioca starch** is used in up to three stages of the production processes
 - Tapioca Starches are used to dousing thread in order to reduce friction and fraying. This increases flexibility of the thread.
 - Tapioca Starch is used in the printing on fabrics to achieve better color consistency and dirt protection during the printing process.
 - Tapioca starch is used to endure printing on fabrics in the final finishing process
2. **Paper/Corrugated wrap industry tapioca starch** is added to the pulp before it is pressed into sheets during the pulp preparation process. This is done in order to increase the elasticity and concentration of the paper. At this stage, starch fills in the pores, smoothens paper surface and prevents spreading ink on the surface when writing. Starches are used in these processes, along with modified Starch phosphate esters in order to increase strength and thickness of some types of papers, such as for calendars and cardboard boxes.
3. **Adhesives/Glue industry tapioca starch** is the most prominent and important raw material in the production of both dry and wet glues. Tapioca Starch, when comes into contact with hot water or chemicals, it becomes sticky and stays sticky. Tapioca starch used for glues must be pure with low acidity.
4. **Plywood industry tapioca starch** is used in combination with glue in the Plywood industry. This is an important process in the production of plywood. After the wood is dried, it enters into the machine that spread the glue over the entire surface of the sheet.
5. **Pharmaceutical/Medical Industry Tapioca Starch** is used as a filler in both tablets and capsules to give them the strength and stability.

Food Grade Starch

1. **Food & beverage industries:** Native Tapioca Starch is used in the for the following applications:
 - Tapioca Starch increases strength thereby giving is stability.
 - Tapioca Starch adds viscosity. Thereby making it suitable to various food applications.
 - Tapioca Starch increases concentration of many food and Beverage Items.
2. **Bread, wheat noodles, and rice noodles** use tapioca starch as a replacement to reduce production costs, since it is more cost effective than other types of starch.
3. **Condiments and canned foods** use Tapioca Starch as a thickener. Only a small volume of starch is applied.
4. **Hard Candies** use Tapioca Starch for hardening of the candies.
5. **Ice cream** needs starch to give it strength and stability. This is Important for Transportation and maintenance of Ice cream.

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6. In addition it is used as a binding agent in animal feed. Pregelatinized alpha starch is used for the production of eel feed.
7. Sweetener industries tapioca starch accounts for about 80 percent of the raw material for sweetener products, such as glucose and fructose syrups. These products are used in the beverage industry as well as canned fruits, jams and others

Our two main advantages are:

- 1) We optimize recipes of pressure and temperature on our procedures to make high viscosity in starch for papermaking and adhesive industries
- 2) In our area, cassava products averagely have higher percent yield of starch from comparing to other areas in Indonesia.

We are currently serving Indonesia major paper manufacturing companies and big food companies in Indonesia.

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Our Factory





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Product Specification

No	PARAMETER	STANDARD	TEST RESULT
1	COLOR	WHITE	WHITE
2	ODOR	NORMAL TAPIOCA STARCH	NORMAL TAPIOCA STARCH
3	TEXTURE	FINE POWDER	FINE POWDER
4	WHITENESS	MIN 90.00	94.96
5	PH	5.00-7.00	5.56
6	RETAIN 100 MESH	MAX 1%	0.76%
7	RESIDU SCREEN	MAX 0.2%	0.03%
8	ASH CONTENT	MAX 0.2%	0.08%
9	MOISTURE CONTENT	MAX 13%	12.80%
10	STARCH CONTENT	MIN 85%	86.96%
11	SO ₂	MAX 30PPM	4.70PPM
12	VISCOSITY	> 700 BU	1,228.50 BU