

Main Storage

With our storage quality policies, Ekarat Pattana have 3 stainless storage buckets, capacity of 12,000,000 million-liters and have nitrogen system to maintain quality control before sending to customers.



Quality Assurance

We have to check the quality in every step of the production, from the molasses to ethanol which is the last step before sending to customers.

Waste Water Treatment

Waster water from production process is called " Venus water " which have high BOD,COD value and Quatity is about 1,600-1,800 m³ per day. It will be sent to the storage pond. Filter cake , mixed by composting machine and microbial strains will be added for the degradation of organic matter to the nutrient-rich fertilizer.

Environment Policy

Performed in the environmental management system (ISO14000:2004)and our policies are announced to all employees as below.

1. Resource are used efficiently and minimize environment impact.
- 2.Improve the environment management system for reducing pollution.
- 3.Compliance with laws, rules and regulations of the government.
- 4.Prevent water pollution, air pollution and other pollution.

Future Project

Since ethanol is the upstream industry, by-product of production process can be utilized as below.

- 1.Waste water from distillation process will be reared by anaerobic and changed to biogas.
- 2.Waste water from distillation process also have rich-nutrient and can be used as Organic fertilizer.
- 3.Yeast cells from fermentation can be used in cosmetics and animal feed industries.
- 4.CO₂ from fermentation process can be used to produce Liquid CO₂ for freezer industries.

"Clean Energy For a Better Quality of Life"



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Ekarat Pattana

Ekarat Pattana is a manufacturer of ethanol from molasses which are by-product from the process of sugar production by Thai Identity Sugar Group, established in 2004. Capacity of company is about 230,000 liters per day and our objective is compliance with government policies which is aimed to use domestic agricultural production, produce clean energy and reduce Octane in Gasoline.

Vision

Ekarat Pattana focuses on the quality standard products to respond demand, satisfaction of our customers and develop our management system for sustainable growth. With mainly consider on safety, environment, human resource and society.

Mission

Ekarat Pattana focuses on developing to be the organization that create the energy product by using the appropriate technology and human resources in order to achieve a good balance to our customer, shareholder, energy, society and

Strategy

1. Ekarat Pattana will produce ethanol with a cost advantage.
2. Ekarat Pattana will research the development of ethanol production from molasses.
3. Ekarat Pattana will produce organic fertilizer from waste water for farmer to improve sugar cane and agriculture farm to achieve greater productivity.
4. Ekarat Pattana will develop the potential of human resource regularly

Product

Product

- 3 Grades of Ethanol.
 1. Industrial Alcohol 95.5% v/v
 2. Potable Alcohol 96.0% v/v
 3. Fuel Alcohol 99.9% v/v

By-product

1. Technical Alcohol
2. Bio-Fertilizer
3. Fusel Oil
4. Yeast Sludge

Core Value

1. Focus on quality product.
2. Discipline and responsibility.
3. Believe in jointly develop.
4. Safety for human resource and environment.



Molasses-Ethanol Producer

