



Many Options

Value added products
from Sugar

Presentation by

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Sugar Derivatives
The Sugar Industry need
to increase product range to
improve its profitability

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Introduction



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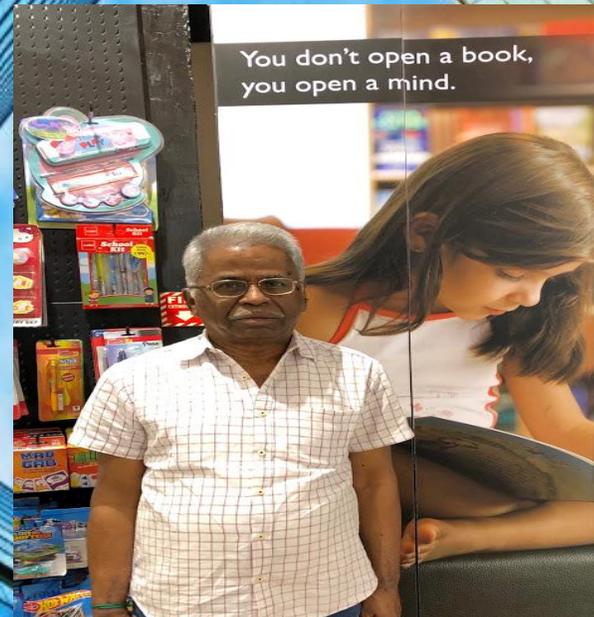


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[Sugar Cube](#) . [Stevia](#) . [Ethanol](#) . [Sugar Grading](#) . [Cellulosic Sugars](#) . [Jaggery](#) . [Sugar Ethanol](#) . [Sugar Mill Laboratory](#) . [Sugar Spheres](#) . [Cogeneration in Sugar Industry](#) . [Sugar Candy Crystals](#) . [Sugar Pharma](#) . [Sugarcane Trash](#) . [Sugar Industry Waste](#) . [Vinasae](#) . [Rum](#) . [Sugar Globules](#) . [Sugarcane Juice](#) . [Sugar Juice Powder](#) . [Invert Sugar](#) . [Molasses](#) . [Isomalt](#) . [HFS](#) . [Sweetners](#) . [Press Mud](#) .

[Mini Sugar Plants](#) ■

Project Data Bases – available updated



Sugar cubes are small cubes of sugar, often sold in boxes, and thought more convenient than using standard granulated sugar because they can be picked up by hand, and hold their form until mixed into liquids. They also provide an excellent way to control sugar consumption since the amount is always the same in one cube.

One of the value added from
Sugar

Sugar Cube

Sugarcane ethanol is an alcohol-based fuel produced by the fermentation of sugarcane juice and molasses. Because it is a clean, affordable and low-carbon biofuel, sugarcane ethanol has emerged as a leading renewable fuel

Sugar derivative

Sugarcane ethanol

The ICUMSA sugar color grading system offers a simple way of categorizing sugars and alerting manufacturers to unsafe products.

The International Commission for Uniform Methods of Sugar Analysis Ltd. (ICUMSA) is a world-wide body which brings together the activities of the National Committees for Sugar Analysis in more than twenty member countries.

ICUMSA



Sugar Analysis

Jaggery is manufactured from sugarcane juice and is very widely used in many eateries, restaurants, savory dishes and it has industrial applications as well.

Due to its wide applications and ease of production, market for Jaggery is continuously growing.

Jaggery



Sugar spheres are a widely used excipient for sustained-release pellet formulations. Sugar spheres are produced by traditional panning/coating techniques found in the confectionery industry.

Sugar Spheres used in the Pharmaceutical Industry

Sugar Spheres



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Candy Sugar or Sweet diamonds is popularly called as Mishri which is sparkling white big crystal sugar obtained by cooling supersaturated sugar solutions

In south India, Sugar crystal is named as Kalkandu

Sugar Candy Crystals

Pharma sugar 'Sucrose IP' is a pharmaceutical grade sugar that complies with the IP standards and European Union standards for pharmaceutical grade sugar.

Pharmaceutical industry demand of approx. 150,000 to 200,000 MT per annum.



Pharma Grade Sugar

Vinasse is, exactly like molasses, a honey-like dark-brown syrup, which develops as Folgeerzeugnis after the Fermentieren of molasses. Vinasse presents a light brown color and a low total solids content, from 2-4%, when it is obtained from straight sugarcane juice and a black-reddish color and total solids ranging from 5-10% .

Vinasse can be used in feeds either for protein enrichment

Vinasse

Sugar Globules

The sugar used for manufacturing Globules/pellets is refined by Phospho-Floatation Process. By this process the sugar manufactured is of international grade, sparkling white in colour, Sulphurless and has high keeping quality/shell life.

Sugar Globules are mainly used by homoeopathic doctors.



Evaporated cane juice is used more widely across the globe and is gaining currency as a healthy alternative to refined white sugar.

PACKAGED?

Sugarcane Juice





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The sugarcane juice powder developed using techniques such as freeze drying, flash evaporation and vacuum drying will not support the growth of micro-organisms and biochemical activity but improve the stability and storability of sugarcane juice.

Branded products – Excellent
Market Potential

Sugar cane Juice Powder

Invert Sugar, an equimolecular mixture of glucose and fructose, is a valuable sweetener in food and pharmaceutical industries.

A large number of industries from confectioneries, fruit processing, pharmaceutical, soft drink industries are using the product.

Invert Sugar

Huge Market potential for
Invert Sugar

thank
you

Questions?

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