

Maize Starch & Derivatives (Maize Starch, Modified Starches & Animal Feed) - Manufacturing Plant, Detailed Project Report, Profile, Business plan, Industry Trends, Market research, survey, Manufacturing Process, Machinery, Raw Materials, Feasibility study

Description:

Cornstarch, corn flour or maize starch is the starch derived from the corn (maize) grain. The starch is obtained from the endosperm of the corn kernel. Cornstarch is a popular food ingredient used in thickening sauces or soups, and is used in making corn syrup and other sugars.

Starch or amylopectin is a carbohydrate consisting of a large number of glucose units joined by glycosidic bonds. This polysaccharide is produced by most green plants as an energy store. It is the most common carbohydrate in human diets and is contained in large amounts in such staple foods as potatoes, wheat, maize (corn), rice, and cassava.

Starch is processed to produce many of the sugars in processed foods. Dissolving starch in warm water gives wheat paste, which can be used as a thickening, stiffening or gluing agent. The biggest industrial non-food use of starch is as an adhesive in the paper making process. Starch can be applied to parts of some garments before ironing, to stiffen them.

Maize starch is a mixture of polysaccharides about 74% amylopectin and 26% amylose. It is a fine white powder, odorless, taste slight and characteristic and microbiologically suitable as pharmaceutical grade, useful in pharmaceutical and food industry as a binder, thickener, disintegrating agents in tableting and various formulations.

For more details download PDF file

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