

Profitable Investment Opportunity in Xanthan Gum (Food and Oil Drilling Grade)

Description:

Profitable Investment Opportunity in Xanthan Gum (Food and Oil Drilling Grade). Industrial Production of Xanthan Gum

Xanthan gum is a polysaccharide, which is manufactured from a wide range of sugars using fermentation process. It is mainly used as a thickener and stabilizer to improve the structural properties of the food products. Owing to these factors, they are used in the heavy end industries such as food & beverages, oil & gas, pharmaceuticals, and others.

Xanthan gum is a natural high molecular weight anionic polysaccharide and an important industrial biopolymer manufactured by the process of fermentation. Due to its unique properties, it is used in a variety of applications such as food and beverages, oil and gas, pharmaceuticals, personal care and cosmetics, agrochemicals, pet food, textiles printing, and chemical applications such as adhesives, ceramic glazes, foundry compounds, emulsions, lubricants, paints and coatings, and pesticides.

Xanthan gum consists of repeating units of five carbon ring structures (Pentasaccharides), containing glucuronic acid, mannose, and glucose (in molar ratio 2:2:1). Xanthan gum is manufactured by fermentation of sugars such as lactose, sucrose or glucose. After fermentation, the polysaccharide formed is extracted through precipitation from a nutrition/growth medium by adding isopropyl alcohol, drying and then grounding the extract into fine powder. Xanthan gum is formed by adding the powdered polysaccharide into a liquid medium.

Uses:

- Xanthan gum is a sugar-like compound made by mixing aged (fermented) sugars with a certain kind of bacteria. It is used to make medicine.
- Xanthan gum is used for lowering blood sugar and total cholesterol in people with diabetes. It is also used as a laxative.
- Xanthan gum is sometimes used as a saliva substitute in people with dry mouth.
- In manufacturing, xanthan gum is used as a thickening and stabilizing agent in foods, toothpastes, and medicines. Xanthan gum is also an ingredient in some sustained-release pills.

For more details download PDF file.

Keywords: Xanthan Gum Manufacture, Xanthan Gum Manufacturing Plant, Xanthan Gum Production, Production, Recovery and Applications of Xanthan Gum, Xanthan Production, Industrial Production of Xanthan Gum, Xanthan Gum can be produce by Aerobic Fermentation Process, Production of Xanthan Gum by Fermentation, Fermentation (Industrial) Production of Xanthan Gum, Xanthan Gum Production PPT, Xanthan Gum Production Flow Chart, Xanthan Gum is a polysaccharide, Xanthan Gum Production Process, Xanthan Gum Uses, Xant

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