

Business Review**Global markets for Dextrose (Anhydrous and Monohydrate)****SUPPLY/DEMAND/FORECASTS****2022-2027****North America, Europe, Asia, LATAM, MEA, RoW****INTRODUCTION**

Dextrose monohydrate is a natural monosaccharide. It replenishes electrolytes and nutrients in the body and provides metabolic energy. It is used in IV fluids and ORS formulations. In foods, it provides sweetness and is a source of energy. It finds application in a variety of foods as an indulgence promoter (sweet, anti-crystallization, freezing point depression) and as an energy contributor.

As the name suggests, dextrose anhydrous does not contain any water molecule in its structure. It is still sweet and an energy dense ingredient. The reduction of water content makes it more stable and amenable to a variety of functions in pharmaceutical formulations. It is an excipient performing both filler and binder roles in swallowable/chewable/effervescent tablets and medicated confectionery.

The market for dextrose (both monohydrate and anhydrous) has seen many changes post Covid across all key food sectors as well as pharmaceutical applications. These changes will form an integral part of the analysis in our forthcoming study. The high energy prices have also had a strong impact on drying and crystallization of products, which have resulted in huge price increases for such products, including dextrose. Giract expects these prices to start stabilizing by end of Q1 of 2023. Price analysis will be a key part of the forthcoming report.

Dextrose is also available in non-GMO form, which ties into the clean label trend currently sweeping the food industry. Giract has completed a comprehensive study to explore supply and demand of maltodextrins and dry glucose syrups and their clean label replacers in food applications. It now proposes to track the market for the only other dry hydrolysate – dextrose (anhydrous and monohydrate). Giract is well-placed to complete such a project given its substantial work in the field of starch derivatives and sweeteners.

OBJECTIVES

The key objectives of the report are:

- Analysis of the current production volumes of these ingredients by manufacturer
- Trade and availability volumes (production + import – export)
- Indicative prices (derived both from supply and demand)
- Current demand and forecast volumes for the products by application
- End-user perspectives

PRODUCTS

Dextrose (monohydrate and anhydrous) powder format

SECTORS

Food (split by beverages, confectionery, bakery, processed meat and fish, ready meals, ice creams, other foods, dietary supplements), pharmaceuticals, other non-foods (includes bath products, makeup, skincare, hair care, and animal feed)

MARKETS

North America: Defined as USA/Canada/Mexico; Europe: Defined as EU27 / UK / Norway /Switzerland; Asia: Key focus countries are China, India, Thailand, Indonesia, and Vietnam; LATAM: Key focus countries are Brazil and Argentina; MEA: Key focus countries UAE and KSA; RoW: Defined as Russia/CIS/ANZ

TIMESCALE

Current estimates for 2022, forecasts to 2027

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