

Glucose syrup is regular conversion, ion-exchanged syrup, produced under very stringent manufacturing specification. It is a purified, aqueous solution of nutritive saccharides obtained from starch.

Specification :

→ Appearance	: Colourless Syrup
→ Moisture %	: 15 to 18
→ Ash %	: 0.2 - 0.3
→ PH of 50 % solution at 250C	: 4.5 - 5.5
→ Acidity for 5 gms using NaOH	: 0.5 ml
→ Solids %	: 82 - 87
→ So ₂ ppm	: 450 max.
→ Dextrose Equivalent %	: 37 to 48

Applications :

Confectionary & Ice-Cream Industry

The purpose of using glucose in making Jams and Jellies is to prevent their cane sugar ingredient from crystallizing. In addition to this, glucose syrup prevents spoilage of the product without unduly increasing its sweetness. In confectionery, hard candies are made entirely out of Glucose syrup, without adding cane sugar. In Ice Cream, Glucose syrup not only prevents sucrose crystallization but also imparts a smoother texture.

Bakery Industry

Commercial Bakeries do use liquid glucose for pies, cream fillings, éclairs & candies.

Tobacco Industry

Glucose syrup is used in the preparation of Chewing Tobacco to impart flavour and to promote desirable texture and keeping qualities. It is also used for flavouring and dressing tobacco for Cigarettes.

Pharmaceutical Industry

In the Pharmaceutical industry, it is used as a base for various liquid formulations, such as tonics, elixirs, cough syrups, etc. It has a moderate sweetness, which is preferable to the excessive sweetness of sugar. Also, it has the advantage of not crystallizing when stored.

Tanning Industry

The action of glucose in Tanning gives pliability and weight to the leather. In the chrome process glucose syrup is used because of its reducing action. This causes the chrome to be precipitated into the body of the leather. Approx. 5% of the weight of the finished leather is introduced in the form of sugar.

Packaging

Liquid Glucose is available in HDPE Drums Nett.wg. 300 Kg. Also supplied in tanker load if concentration required is 82 % DS.