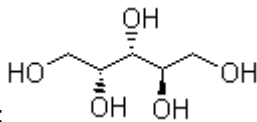


XYLITOL

FOOD GRADE

Xylitol is mainly used as Sweetener in Food Additives

Technical Data



Structural Formula:

Molecular Formula: C₅H₁₂O₅

Molecular Weight: 152.15

CAS No.: 87-99-0

Product Specification

		Typical
Appearance	White milled powder	Conform
Assay(dry basis)	99.5%	99.7%
Other polyols	0.5%	0.21%
Loss on drying	0.2%	0.1%
Residue on ignition	0.05%	0.002%
Reducing sugars	0.2%	0.016%
Heavy metals	5ppm	< 5ppm
Arsenic	0.5ppm	< 0.5ppm
Nickel	2ppm	< 1ppm
Lead	1ppm	< 0.5ppm
Sulfate	50ppm	< 50ppm
Chloride	50ppm	< 50ppm
Melting point	92 -96	93
PH in aqueous solution	5.0-7.0	6.18
Total plate count	50cfu/g	< 10cfu/g
Coliform	Negative	Conform
Salmonella	Negative	Conform
Yeast&Mold	10cfu/g	< 10cfu/g

Regulatory Compliance

Xylitol conforms to the requirement of FCCIV/USP29/NF

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Applications

1. To produce gum, chewing gum, toffee, soft candy, jelly, chocolate, chewing tablet and etc, can cool the throat, clean the teeth and be anti-cariogenic.
2. Being instead of sucrose to add in soft drink, milk, bread, preserved fruit, biscuit, yoghurt, jam, porridge and etc, to keep longer & better sweet taste because of its non-fermentability by yeast.
3. Added in cosmetic product and toothpaste, no sticky feeling and refreshing.
Xylitol can keep moisture and improve the rough skin similar as glycerin.
4. Being good substitute to sucrose, to make dishes like sour & sweet pork or fish, very safe to diabetics. Our suggestion is no more than 40g / day for adult and half for child.

Packaging

25kg bag

Packaging is compliant with regulations for materials intended to come into contact with food.

Storage

Store under dry and cool condition, and keep product air-tight.

Health and Safety Information

1. Diabetes is considered as the 3rd killer after the AIDS, Cancer in the medical area, so called "Sub-Cancer", and Xylitol is proven to be the treatment agent, nutrition agent and best sweetener for Diabetic. As Xylitol can provide an intermediate pathway for glucose conversion, when initial metabolism
Xylitol doesn't need insulin (but can provoke the insulin excrete), can produce out phosphoric acid ribose through aldehydic acid Xylulose from glucose and aldehydic acid pentose, then comes out six-aldehydic acid glucose, and then further synthesis or oxygenation to get energy. Xylitol can adjust abnormal metabolism of glucose, when the patient lack of insulin, Xylitol can permeate the red blood cell membrane to help for the energy & nutrition utilization similar as the function of glucose and insulin. After consume Xylitol, patients will decrease the starvation, diabetes and related symptoms, and will cure after consume for a long period of time, to well restore the control of the diabetes' complications.
2. Improve liver function. Xylitol can slower the fatty acid process from the blood plasma, but will not raise the blood sugar level. After absorbed by the body, the lactic acid, pyruvic acid and glucose

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amount will decrease but insulin increase, and meantime the glycogen will also increase in the liver and help to reduce the transaminase, to obtain a good treatment for Hepatitis B and Liver Cirrhosis patients. Xylitol can be an ideal treatment medicine to protect liver for Hepatitis patients, esp. patients who suffer both Hepatitis & Diabetes.

3. Anti-ketone function. Xylitol can also be an ideal anti-ketone treatment medicine for Diabetic and Starvation Type ketosis patients.

4. Xylitol can well control the anabolism of glycerin, neutral fat and free fatty acids, thus to control the weight increase and to cure adiposis.

5. Xylitol is good of its thermal stability, and will not cause chemical reaction when being heated together with amino acid, can be used with amino acid for different kinds of dosages to treat high blood sugar, hyperlipidemia, hepatitis patients, and also for sugar free purpose, the special transfusion medicine for oldness & weakness patients.

6. Xylitol is slower absorbed by intestine compared with other sugars, can be used as laxation medicine for oldness constipation without any suffering and side-effect.

SAMIN CHEMICAL

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