



Fructose (Levulose)

Description

Molecular weight:	180.16
Fructose (Levulose) crystalline, Food grade complies to the following monographs:	FCC VI USP32/NF27
Characteristics:	White crystalline powder Practically odourless Very sweet taste
Particle size distribution:	A number of different grades are available on application
Solubility:	Very soluble in water (approx. 3.5 g/ml at 20 °C) Soluble in ethanol Sparingly soluble in ether

Physical/chemical specifications

Colour in aqueous solution:	Max. 20 ICUMSA [1]
pH in aqueous solution (10% w/v sol.):	4.5-7.0 [2]
Specific rotation (on anhydrous material):	-91.0° to -93.5° [6]
Moisture:	Max. 0.1% [5]
Ash:	Max. 0.01% [26]
Sulphate:	Max. 50 mg/kg [9]
Chloride:	Max. 40 mg/kg [9]
Calcium:	Max. 5 mg/kg [8]
Glucose:	Max. 0.1% [32]
5-hydroxymethylfurfural (and related compounds):	Max. 0.32 [6]

The numbers in brackets refer to the following methods:

[1] ICUMSA

[2] pH meter

[5] Karl Fischer

[6] European Pharmacopoeia (Ph.Eur.)

[8] ICP

[9] USP

[26] ICUMSA conductivity

[32] Enzymatic-glucose oxidase

**Heavy metals specifications**

Arsenic:	Max. 0.5 mg/kg [8]
Heavy metals:	Max. 1 mg/kg [6]
Lead:	Max. 0.1 mg/kg [8]

The numbers in brackets refer to the following methods:

[6] European Pharmacopoeia (Ph.Eur.)

[8] ICP

Storage

Recommended storage:	Fructose is acceptably stable to air and heat but it is hygroscopic. Goods should be stored in the original sealed packages at temperatures below 25 °C and a relative humidity of less than 60%.
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Allergen information

If present in this ingredient, allergens will be denoted as "Present" in the table below.

Crustacean & Shellfish: Absent	Tree Nuts, Hazelnut / Filbert: Absent
Mollusk: Absent	Tree Nuts, Hickory: Absent
Fish: Absent	Tree Nuts, Macadamia: Absent
Egg: Absent	Tree Nuts, Pine: Absent
Milk (including Lactose): Absent	Tree Nuts, Pistachio: Absent
Peanut & Oils: Absent	Tree Nuts, Queensland: Absent
Soybean & Oils: Absent	Tree Nuts, Walnut: Absent
Seeds, Sesame & Oils: Absent	Buckwheat: Absent
Celery/Celery: Absent	Bee Pollen/ Propolis: Absent
Mustard: Absent	Royal Jelly: Absent
Lupin: Absent	Pork: Absent
Tree Nuts, Almond: Absent	Peach: Absent
Tree Nuts, Brazil: Absent	Tomato: Absent
Tree Nuts, Cashew: Absent	Sulfur Dioxide and Sulfite > 10 ppm: Absent
Tree Nuts, Chestnut: Absent	
Tree Nuts, Coconut and Oils: Absent	
Gluten Containing: Wheat, Rye, Barley, Oats, Spelt, Kamut, Triticale: Absent	

GMO Status

The above-mentioned ingredient is considered Non-GMO