

1. Product Identification

Commercial Name: Syrup F9
Product Name: Glucose-fructose syrup
Barcode: 8606105499354
Appearance: Viscous, colorless to bright yellow liquid, neutral scent and sweet taste.
Chemical composition: Syrup F9 is a product of purified starch hydrolysate obtained from corn; Its composition is a mixture of glucose, fructose, maltose and higher carbohydrates.

2. Physical and chemical characteristics

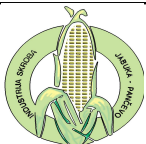
NAME / unit	Value	Limits	Analysis Method
Dry Substance (%)	-	80 – 83	MI.53 - SRPS EN ISO 1743 - Refractometry
pH value	-	4.0 – 5.5	MI.55 - Potentiometry
Dextrose equivalent	-	65 – 80	MI.52 – SRPS EN ISO 5377
SO ₂ (mg/kg)	max 10	-	MI.54 – Acidimetry
Conductivity (28Bx)(μS/cm)	max 150	-	MI.101 – Conductivity
Typical carbohydrate composition:			
Fructose on DS content (%)	-	8 – 9.9	HPLC
Glucose on DS content (%)	-	30 – 38	HPLC
Maltose on DS content (%)	-	26 – 35	HPLC
Heavy metals content			
Lead (mg/kg)	-	max 0.5	ICP/MS – BS EN 15763
Arsenic (mg/kg)	-	max 1	ICP/MS – BS EN 15763
Copper (mg/kg)	-	max 2	ICP/MS – VM/MET 865
Microbiological criteria			
Molds (CFU/g)	-	max 100	ISO/FDIS 21527-2
Enterobacteriaceae (CFU/g)	-	max 10	SRPS ISO 21528-1
Number of aerobic colony (CFU/g)	-	max 1000	SRPS EN ISO 4833
Salmonella spp (/25g)	absent	-	SRPS EN ISO 6579

3. Legal Acts

The product is in accordance with these regulations:

- 3.1 Regulation of the quality of starch and starch products for food industry
Official Gazette of the SRJ no. 33/95; Official Gazette of the SCG no. 56/03, 4/04
- 3.2 Regulation on food additives
Official Gazette of the RS no. 63/13
- 3.3 Law on Food Safety
Official Gazette of the RS no. 41/09
- 3.4 Regulation on general and special conditions of hygiene of food at any stage of production, processing and trade
Official Gazette of the RS no. 72/10
- 3.5 Regulations on food hygiene requirements
Official Gazette of the RS no. 73/10
- 3.6 Regulation on the maximum allowable residues of pesticides in food and animal feed and of food and animal feed which is determined by the maximum allowable amounts of residues of plant protection
Official Gazette of the RS no. RS 29/14, 37/14, 39/14, 72/14
- 3.7 Regulations on the general declaration and marking of packed foodstuffs
Official Gazette of the RS no. 85/13
- 3.8 Law on Genetically Modified Organisms
Official Gazette of the RS 41/2009

	Made by:	Approved:
Name	Sanja Stefanov	Ljubica Nedeljković
Signature		



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3.9 Law on safety of Foods and objects for general use Official Gazzete of the RS no. 92/2011

3.10 Regulation on the content limits of radionuclide in drinking water, food, animal feed, medicine, objects for general use, construction materials and other goods placed on the market
Official Gazette of the RS 86/11, 97/13

4. Packaging

Bulk; storage tanks; tank of food contact grade materials. PET packaging (25-280) kg

5. Marking/Declaration

Regulations on the general declaration and marking of packed foodstuff, Official Gazette of the RS no. 85/13

6. Storage conditions/Transport

Storage: Closed reservoirs made out of the material regulated for the usage in food industry; with a valve and a temperature of 40-55 °C. Storage at lower temperatures is allowed for a short time, there is a possibility of crystallization. Systematic sterilization of the equipment and storage tanks is necessary.

Recomended storage temperature for single packaging is above 20°C. Storage at room temperature may require additional heating before use.

Transport: The transport is carried out in bulk truck made of food contact grade materials. Links, pipes and pumps must be food contact grade, they must be cleaned before every loading/unloading of the truck.

7. Validity

6 months, in appropriate storage conditions.

8. Application

In the production of backed products, especially in biscuits and similar confectionary products.

In the manufacture of soft drinks, which enhances the fruit flavor, there are no changes in taste as in the case of inversion of suchrose in soft drinks.

It can be used in canned fruit, jelly and icecream production .

9. Information for Special Needs Customer Group

Allergenic constituent	Used as ingredient		Potential cross contamination	
	Yes/No	Nature of the constituent	Yes	No
Peanuts and products thereof	No			No
Crustaceans and products thereof	No			No
Fish and products thereof	No			No
Eggs and products thereof	No			No
Nuts and products thereof	No			No
Milk and products thereof (including lactose)	No			No
Soybeans and products thereof	No			No
Cereals containing gluten and products thereof (*)	No			No
Sulphur dioxide and products thereof	No			No
Celery and products thereof	No			No
Sesame seeds and products thereof	No			No
Mustard and products thereof	No			No
Mollusks and products thereof	No			No
Lupin and products thereof	No			No

(*) Refer to wheat, rye, barley, rice, oats, kamut or their hybridised strains

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Name	Sanja Stefanov	Ljubica Nedeljковиć
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