

1. Product Identification

Product Name: Liquid Glucose 90
Barcode: 8606105499057
Organo-leptic properties: Viscose, colorless to bright yellow liquid, characteristic syrup scent and sweet taste.
Chemical composition: Liquid glucose 90 is produced in the enzyme hydrolysis of corn starch with a high presence of fermentable sugars (glucose).

2. Characteristics

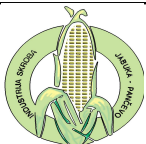
NAME / unit	Value	Limits	Analysis Method
Dry Substance (%)	min 70	-	MI.53 – SRPS EN ISO 1743 - Refractometry
DE value	min 95		MI.52 – SRPS EN ISO 5377
pH (40% suspension)	-	4.0 – 5.0	MI.55 - Potenciometry
SO ₂ (mg/kg)	max 10	-	MI.54 - Acidimetry
Heavy metals content			
Lead (mg/kg)	-	max 2	ICP/MS – BS 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/10g)	-	max 10	ISO/FDIS 21527-2
Yeasts (CFU/10g)	-	max 10	SRPS ISO 21527-2
Number of aerobic colony (CFU/10g)	-	max 200	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. Regulaion on food additives
Official Gazette of the RS no. 63/13
- 3.3 Law on Food Safty
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. 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
- 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

	Made by:	Approved:
Name	Sanja Stefanov	Ljubica Nedeljковиć
Signature		
Starch Industry	PRODUCT SPECIFICATION	No: SP.18



”JABUKA”
Pančevo

LIQUID GLUCOSE 90

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4. Packaging

Storage reservoirs – tanks.

5. Marking/Declaration

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

6. Storage conditions/Transport

Storage: Liquid Glucose 90 is stored in the reservoir of food grade material; with a valve and on the temperature of 25 - 30 °C. Storage at lower temperatures is allowed for a short time, there is a possibility of crystallization.

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

Semi permanent product, maximum 7 days.

8. Application

Liquid glucose 90 is primarily used in the production of beer, alcohol beverages and juices.

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 Nedeljković
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