

# Invert Sugar Syrup 77



PRODUCT INFORMATION

## Product Description

Invert Sugar Syrup 77 is an aqueous solution of sucrose which has been partly inverted via hydrolysis and in which the invert sugar content is 67 % by weight of dry matter. The dry matter content is 77 %.

## Specification

### Legal compliance

Invert Sugar Syrup 77 is a food and compliant with the definition of invert sugar syrup as laid down in Directive 2001/111/EC relating to certain sugars intended for human consumption. It is produced in accordance with the relevant provisions of the German and European Law, in particular German "Lebensmittel- und Futtermittelgesetzbuch (LFGB)" and the European Regulation (EC) No 178/2002 laying down the general principles and requirements of food law

### Physical and chemical parameters

Parameter	Unit	Guidance value	Method
Dry substance (DS)	g/100 g	77 ± 0.5	ICUMSA <sup>(1)</sup>
Invert sugar content o. DS	g/100 g	67 ± 7	HPLC
Ratio of D-Fructose/ D-Glucose		1 ± 0,1	
Colour in solution <sup>(2)</sup>	ICUMSA-units	Max. 20	ICUMSA <sup>(1)</sup>
Conductivity Ash o. DS <sup>(2)</sup>	g/100 g	Max. 0.01	ICUMSA <sup>(1)</sup>
pH-value (1:1) <sup>(2)</sup>		5 ± 1.5	ICUMSA <sup>(1)</sup>
(1) ICUMSA = International Commission for Uniform Methods of Sugar Analysis			
(2) During longer storage changes of these values are possible, but they will not have an influence on the usage properties.			

### Microbiological parameters

Parameter	Sample size	Upper guidance value	Method
	g	cfu	
Mesophilic aerobic bacteria	15	200	ICUMSA <sup>(1)</sup>
Yeasts	15	10	ICUMSA <sup>(1)</sup>
Moulds	15	10	ICUMSA <sup>(1)</sup>
(1) ICUMSA = International Commission for Uniform Methods of Sugar Analysis			

## Additional Information

### Labelling

The sales denomination is: "Invert Sugar Syrup"

In the list of ingredients Invert Sugar Syrup 77 can be labelled with the category name "sugar".

### Nutritional information

100 g Invert Sugar Syrup 77 contain according to regulation (EU) No 1169/2011:

Energy:	1309 (308)	kJ (kcal)
Fat:	0	g
of which saturates:	0	g
Carbohydrates:	77	g
of which sugars:	77	g
Protein:	0	g
Salt:	0	g

### Allergens

The product does not require allergen labelling according to Regulation (EU) No 1169/2011.

### GMO

The product does not require authorisation, labelling or traceability of genetically modified food and feed according to Regulations (EC) No 1829/2003 and (EC) No 1830/2003.

### Physical and technical characteristic values

Density (20 °C):	1.39 g/cm <sup>3</sup> ± 0.02 g/cm <sup>3</sup>
Viscosity (20 °C):	2000 mPas ± 400 mPas

## Sensory characteristics

Appearance:	clear solution
Odour:	typical for invert sugar
Taste:	sweet, pure

## Storage and stability

Recommended storage conditions                      Temperature 20 °C ± 5 °C

Under the recommended storage conditions:

Canister, Container                                      3 months  
(original closed units)

Bulk    4 weeks  
(cleaned, disinfected tank with air sterile filters)

## Trade sizes

Packaging	Packaging unit
Container	1250 kg
Bulk	

