



**Vinfoerm® Sorbitol 70**

**1. Definition**

This product is a liquid, non crystallising sorbitol. It is an aqueous solution of hydrogenated, partly hydrolysed starch. It is a clear, water like viscous liquid with a clean, slightly sweet taste and bland odour.

**2. Characteristics**

Test	Unit of measure	Specification range	Typical value	Method
Brix 20°C (*)		67,0-69,5		Refractometer (+conversion)
Refractive index 20°C (*)		1,4582-1,4641		Refractometer (+conversion)
Dry substance (*)	%	69,0-72,5		Refractometer (+conversion)
Sorbitol (*)	%/ds	73,5-86,5		HPLC
Reducing Sugar (*)	%/cp	<= 0,20		Ph. Eur.
Sulfated ash at 600°C (*)	%/cp	<= 0,07		Muffle oven
Chlorides (Cl)	mg/kg	<= 35,000		Ion chromatography
Sulfates (SO4)	mg/kg	<= 70,000		Ion chromatography
Lead (Pb) (*)	mg/kg	<= 0,500		Atomic Absorption Spectrophotometry
Nickel (Ni) (*)	mg/kg	<= 1,000		Atomic Absorption Spectrophotometry
Arsenic (As) (*)	mg/kg	<= 0,200		Atomic Absorption Spectrophotometry
Total heavy metals (mg Pb/kg)	mg/kg	<= 10,000		Limit test
pH at 50 °Brix		5,0-7,5		pH-meter



Conductivity – undiluted (*)	µS/cm	<= 10		Ph. Eur.
Total mesophilic count (n/g) (*)	n/g	<= 100		Membrane filtration
Yeasts (n/g) (*)	n/g	<= 10		Membrane filtration
Moulds (n/g) (*)	n/g	<= 10		Membrane filtration
Recommended storage temp (*)	°C			Thermometer
GMO status (*)		Not Genetically Modified	>5	

\*The characteristics indicated with (\*) are part of the standard Customer Product Specifications contract; other characteristics are optional.

### 3. Packaging

The product is available in bulk.

The product is available in new plastic drums on new wooden pallets (heat treated) and/or new IBC.

### 4. Shelf life

Total product shelf life of bulk delivered material is 6 months after production date if stored under recommended storage conditions.

Total product shelf life in unopened packaging is 36 months after production date if stored under recommended storage conditions.

### 5. Storage conditions

Recommended Storage Temperature is mentioned in the characteristics list.

Storage at lower temperatures can require additional heating before use.

**6. Labeling**

Advised labeling: (ii) Sorbitol syrup or E420.

Above 10% in final product, a special note has to be added to the label 'Excessive consumption may have a laxative effect' (2008/5/EC).

**7. General information**

This product complies with the requirements of legislation in force in the EU on foods and food ingredients. These include regulations on labeling, hygiene, additives, contaminants and pesticides.