



APIVITAL[®] syrup

general product specification

Definition		
This product is a liquid blend of fructose, glucose and sucrose. Fructose is in significant surplus. The product is pure and concentrated aqueous solution of nutritive saccharides. It is a transparent, water-like up to yellow liquid with a clean very sweet taste and bland odour.		
characteristic	target typical (min/max)	method description
Physico-chemical characteristics		
dry substance (%)	72,3 +/-0,5	conversion tables
Brix (20 °C)	71,3 +/-0,5	refractometry
average carbohydrate composition on dry matter in %		
dextrose (% on DS)	30 +/-3	HPLC A0210
fructose (% on DS)	40 +/-3	HPLC A0210
sacharose (% on DS)	30 +/-3	HPLC A0210
ash content (%)	0,012	conductometry
SO ₂ (mg/kg)	4 +/-2	Iodine titration A0901
turbidity	2 +/-1	turbidimetry
viscosity při 20 °C (cP)	200	rheometry
viscosity při 30 °C (cP)	120	rheometry
pH	5,5 +/-1,5	solution at 50%
Microbiologic characteristics		
total mesophile count (n/1g)	30	membrane filtration A1925
yeasts (n/1g)	2	membrane filtration A1925
moulds (n/1g)	2	membrane filtration A1925
E. coli (n/50g)	negative	membrane filtration A1925
appearance of sample	OK visual	
Packaging		
type	tanker, IBC container, jerry can, pail	
material	stainless steel AISI 321, PE	
delivery temperature	15 - 35 °C	
quantity delivered	25 t, 22.4 t, 1400 kg, 45kg, 14 kg	
shelf life	12 months if delivered and stored in aseptic condition	
storage conditions	food grade tank, original container closed or microbiological air condition	
storage temperature	-5 to +30 °C; do not store on direct sunshine	

This product complies with the requirements of legislation in force in the EU on foods and food ingredients. Prospective purchaser is advised to conduct his own tests and studies to determine the fitness of the product for his intended applications.