Sugarbeet molasses - for distilleries - product specifications

Applications Basic input materials S Basic characteristics of the technological process	Beet sugar production by-product containing remnants of syrups from the sugar refining processes For distilleries Sugarbeet, water Sugar-sucrose is industrially separated from the basic raw material, sugarbeet, in the following technological processes: 1. Cleaning and chopping the sugarbeet 2. Extracting "raw juice" 3. Purifying and filtering the sugar juice 4. Evaporating 5. Crystallisation 6. Centrifuging	
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Sensory requirements C F	Colour, appearance – dark brown to black; Taste – distinguished bitter-sweet; Odour – typical, without strange odours; Consistency – viscid syrup fluid, may contain small crystals of sucrose; Frothed, caramelised, infected or contaminated (by solid particles) product cannot be delivered for fermentation processing.	
Declared properties in compliance with ČSN 56 5840	Dry mass (refractometer): min. 75% Saccharose (polarometer): min. 43%	
Microbiological requirements	Number of microorganisms in 1g of mass: maximum 10 000	
(including specifications of s	The product is filled into road or railway tankers, barrels or other suitable containers. All of them must be in a good condition, clean and microbiologically approved.	
Product distribution N	Molasses is distributed in barrels or tankers.	

	The allowed means of transport must comply with the hygiene requirements on food transportation as stipulated in the Act No.110/97 Coll. as amended, and the requirements of the Gov. Regulation 38/2001 Coll., as amended, - On materials in contact with loose foodstuffs.	
Storing conditions	The product is stored in clean, microbiologically suitable and closed molasses tanks, steel containers or barrels. It is not allowed to apply any admixtures before dispatch.	
	Storing temperature limit is max. 35°C; pH value of the stored product must be at least 8; diluting with water is not allowed.	
Minimal durability	2 months under stipulated storing conditions	

Molasses (treacle) – animal feed – product specifications

Name of the product	Molasses – animal feed – product of the industrial processing of sugar beet		
Producer's Register No.	10541		
File number	10541-1		
Product characteristics	Beet sugar production by-product containing remnants of syrups from the sugar refining processes. Animal feed is a product of the vegetable or animal origin providing nutrition for animals.		
Applications	Animal feed		
Usage guideline	The product can be fed directly or used as an ingredient of the fodder mixtures for domestic animals and livestock.		
Basic input materials	Sugar beet, water		
Basic characteristics of the technological process	Sugar-sucrose is industrially separated from the basic raw material, sugarbeet, in the following technological processes: 1. Cleaning and chopping the sugarbeet 2. Extracting "raw juice" 3. Purifying and filtering the juice 4. Evaporating 5. Crystallisation 6. Centrifuging		
Declared properties required by EU 767/2009	All sugar declared as saccharose Water content: if above 28 % Insoluble ashes fraction in HCl, if above 3.5 % in dry mass		

Chemical requirements	Unwanted elements and substances	Max. rate mg/kg (ppm) of mass with water content 12 %	
	Arsenic	2	
	Lead	10	
	Fluorine	150	
	Mercury	0.1	
	Cadmium	1	
	Aflatoxin B1	0.02	
	Hydrocyanic acid	50	
	Aldrine	0.01	
	Chlordane	0.02	
	DDT	0.05	
	Endosulfan	0.1	
	Endrine	0.01	
	Heptachlorine	0.01	
	Hexachlorbenzene HCB	0.01	
	Hexachlorcyclohexan HCH		
	alfa isomers	0.02	
	beta isomers	0.01	
	gama isomers	0.2	
	Dioxin	0.75 ng WHO-PCDD/F TEQ /kg	
	Sum of dioxins and PCB with dioxin effects	1.25 ng WHO-PCDD/F-PCB-TEQ/kg	
Packaging (including specifications of the applied containers)	The product is filled into road or railway tankers, barrels or other suitable containers. All of them must be in a good condition, clean and microbiologically approved.		
Product distribution	Product is distributed in barrels or tankers. The means of transportation must comply with hygiene requirements for the animal feed transport.		
Storing conditions	The product is stored in clean, microbiologically suitable and closed molasses tanks, steel containers or barrels. It is not allowed to apply any admixtures before dispatch.		
	Storing temperature limit is max. 35°C; pH value of the stored product must be at least 8; diluting with water is not allowed.		
Minimal durability	2 months under stipulated storing conditions		