

	Product specifications / <i>Product specification</i>	spec. no. / Spec. Number: 0049 Number of pages / Pages: 1/ 5 Release date : 01/11/2017 Datum revize / Revision date: 01/04/2019
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Product Name <i>Name of product:</i>	GLYCERIN DISTILLED 99.5% - for food (E422) <i>GLYCERIN 99,5% (E422)</i>
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Supplier: <i>Supplier:</i>	Ekokoza sro, Fryšovice 297, 739 45 Czech Republic/ <i>Czech Republic</i>
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Popis produktu / Product description	
Ingredients: <i>Ingredients:</i>	1,2,3-Propantriol, Glycerol <i>1,2,3-Propantriol, Glycerol</i>
The product is exclusively of plant origin. <i>The product is exclusively of plant origin.</i>	
The product is manufactured in accordance with HACCP requirements and in accordance with EU regulations and directives. <i>The product is produced under HACCP and in accordance with further rules and regulations of EU.</i>	
The product is made from raw glycerin. This is followed by its acidification, distillation and removal of all remaining pollutants. <i>The product is made from crude glycerine. It is followed by acidification, distillation and removal of all remaining pollutants.</i>	

Usage / Use: As a raw material for food production. <i>As a raw material for production of food.</i>
Country of origin / Country of origin Czech Republic / <i>Czech Republic</i>

Organoleptic requirements / Organoleptic characteristics:	
Appearance <i>Appearance</i>	Clear liquid <i>Clear liquid</i>
Consistency <i>Consistency</i>	Viscous liquid <i>Viscous liquid</i>
Color <i>Colour</i>	Colorless to yellowish <i>Colorless to slightly yellowish</i>
Taste <i>Taste</i>	Sweet <i>Sweet</i>
Scent <i>Smell</i>	Neutral <i>Neutral</i>

Physical and chemical parameters			
Parameter _	Min.	Max.	Method / <i>Taste method</i>
Glycerol content (%) <i>The glycerol content (%)</i>	99,5% (m/m)		BS 5711:part 3
Relative density at 25°C <i>Relative density at 25 ° C</i>	1,257		European Pharmacopoeia 8 th 2.2.5

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Index role <i>Refractive index</i>	1,471	1,474	European Pharmacopoeia 8 th 2.2.6
Water (%) <i>Water (%)</i>		0,4 (m/m)	European Pharmacopoeia 8 th 2.5.12
Sulfurized ash (%) <i>Sulphate ash (%)</i>		0,01 (m/m)	European Pharmacopoeia 8 th 2.4.14
Butantrioly (%) <i>Butantriol (%)</i>		0,2 (m/m)	European Pharmacopoeia 8 th 2.2.28
Test for acrolein, glucose and ammonia compounds <i>Test for acrolein, glucose and ammonia compounds</i>	ok		According to regulation 231/2012/EC
Fatty acids and esters (%) <i>Fatty acids and esters (%)</i>		0,1 (m/m)	GC-FID
Chlorinated/halogenated compounds (µg/g) <i>Chlorinated / halogen compounds (µg / g)</i>		30	ýSN EN ISO 9562
3-MCPD (3-monochloropropan-1,2-diol) (mg/kg) <i>3-MCPD (3-monochloropropan-1,2-diol) (mg/ kg)</i>		0,1	ýSN EN 14573
Arzen (mg/kg) <i>Arzenic (mg/ kg)</i>		3,0	ýSN EN ISO 11885
Lead (mg/kg) <i>Lead (mg/ kg)</i>		2,0	ýSN EN ISO 11885
Mercury (mg/kg) <i>Quicksilver (mg/ kg)</i>		1,0	ýSN 75 7440
Cadmium (mg/kg) <i>Cadmium (mg/ kg)</i>		1,0	ýSN EN ISO 11885

Nutritional data per 100ml / Nutritional Value per 100ml	
Energy value / <i>Energy</i>	1715kJ / 410 kcal
Fats / <i>Fat</i>	0 g
from which saturated fatty acids	0 g
Carbohydrate / of which sugars	125 g
	0 g
Proteins / <i>Protein</i>	0 g
Salt / <i>Salt</i>	0 g

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Allergens in accordance with EC 1169/2011 / <i>Allergen status according to EC 1169/2011</i>		
	Contains/ <i>contain</i>	Cross contamination / <i>cross-contamination</i>
Cereals containing gluten (wheat, rye, barley, oats, etc.) and their products / <i>Cereals containing gluten (wheat, rye, barley, oats, etc.) and products thereof</i>	NO / NO	NO / NO
<i>Crustaceans and products thereof</i>	NO / NO	NO / NO
Eggs and egg products / <i>Eggs and products thereof</i>	NO / NO	NO / NO
Fish and products thereof	NO / NO	NO / NO
<i>Kernel of groundnuts (peanuts) and products thereof</i>	NO / NO	NO / NO
Soybeans and their products / <i>Soybeans and products thereof</i>	NO / NO	NO / NO
Milk and milk products (including lactose)/ <i>Milk and products thereof (including lactose)</i>	NO / NO	NO / NO
Nuts and their products / <i>Nuts and products made from them</i>	NO / NO	NO / NO
Sulfur dioxide and sulphites in concentrations higher than 10 mg/kg or 10 mg/l / <i>Sulphur dioxide and sulphites in concentrations higher than 10 mg/kg or 10 mg/l</i>	NO / NO	NO / NO
<i>Molluscs and products thereof</i>	NO / NO	NO / NO
<i>Mustard and products thereof</i>	NO / NO	NO / NO
Celery and its products / <i>Celery and products thereof</i>	NO / NO	NO / NO
Lupine and its products / <i>Lupine and products thereof</i>	NO / NO	NO / NO
Sesame seeds and their products / <i>Sesame seeds and products thereof</i>	NO / NO	NO / NO

Microbiological requirements / <i>Mickobiology requirements</i>	
Total number of microorganisms <i>The total number of microorganisms</i>	max. 1000 KTJ/g max. 1000 cfu/g
Coagulase-positive staphylococci	max. 500 KTJ/g

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<i>Coagulase-positive staphylococci</i>	max. 500 cfu/g
Coliform bacteria <i>Coliform bacteria</i>	max. 50 KTJ/g max. 50 cfu/g
Fungi <i>Mould</i>	max. 100 KTJ/g max. 100 cfu/g

Minimum shelf life until when stored at 20°C / Shelf-life from the storage temperature below 20 °C	
Auto cisterna / car tanks	12 months / 12 months
Kontejner / containers	12 months / 12 months

Storage : It is stored in clean, dry, covered warehouses protected from direct sunlight. / <i>Store in a clean, dry, indoor storage, protect from direct sunlight.</i>	
Conditions for the transport: Transport vehicles and packaging meet all hygienic requirements for food. The transport takes place in covered, clean and dry means of transport intended only for the transport of food, free of odors and storage pests, separated from substances that could impair the quality of the raw material. The type of transport and packaging and the marking of the packaging are determined on the basis of an agreement between the supplier and the customer. / <i>Transport vehicles and packaging meet all hygienic requirements for food. Transport is carried out in clean and dry transport equipment to be used only for the transport of food, free from odors and storage pests away from substances that could interfere with the quality of the raw materials. The mode of transport and the packaging and marking of the packages shall be determined on the basis of the agreement between the supplier and the customer.</i>	
The raw material is packed in containers suitable for direct contact with food/ <i>The raw material is packed in containers suitable for direct contact with food</i>	
IBC 1000L UN kontejner/ <i>liters of UN container</i>	Inner container made by blowing method from high molecular weight PE, resistant to cracks, secured IBC 1,000 self-emptying. The outer shell is a solid galvanized lattice structure. Volume 1000 l. Weight of empty packaging 65 kg./ <i>inner bowl made of high molecular PE blow moulding method, resistant to cracking, ensure self-emptying. The outer packaging - solid galvanized mesh structure. The volume of 1,000 litres. Empty weight 65 kg.</i>
IBC 640 LUN container / IBC 640 LUN container	Natural inner container, HDPE material. The outer shell is a solid galvanized lattice structure. Volume 640 l. Weight of empty packaging 50 kg./ <i>inner Bowl natur, HDPE material. The outer packaging - solid galvanized mesh structure. The volume of 640l. Empty weight 50 kg.</i>
Scented (car tank) / Bulk (car tanks)	

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Other information / Other information	
Flash point : Hygiene :	199 °C
<p>The production, processing, storage and transportation of raw materials is in accordance with the requirements of the Codex Alimentarius and with the requirements of the recommended international guidelines on basic principles and requirements for food hygiene./ <i>Production, processing, storage and transport of raw materials are in accordance with the requirements of the Codex Alimentarius and with the requirements of the recommended international guidelines on fundamental principles and requirements for food hygiene.</i></p> <p>The raw material does not contain any kinds of pests, such as insects, larvae or eggs, rodents and their droppings./ <i>The raw material does not contain any kinds of pests, such as insects, larvae or eggs, rodents and their droppings.</i></p> <p>The raw material does not contain any toxic or harmful substances in quantities that would pose a threat to human health. / <i>The raw material does not contain any toxic or harmful substances in quantities that would constitute a danger to human health.</i></p> <p>The raw materials meet the requirements for the maximum limits of pesticide residues (and veterinary drugs) according to the relevant provisions and limits specified in the valid Czech and European legislation. / <i>Raw materials comply with the requirements on maximum residue levels of pesticides (and veterinary drugs) in accordance with the relevant provisions and limits set out in applicable Czech and European legislation.</i></p> <p>Genetic modification : The supplier further confirms that the raw material is not genetically modified, nor is it made from genetically modified ingredients. The raw material meets the requirements for "no label" according to Regulation (EC) No. 1829/2003 and No. 1830/2003./</p> <p><i>The supplier further acknowledges that the raw material is not genetically modified, nor is it made from genetically modified ingredients. The raw material meets the requirements for "no labeling" according to Regulation (EC) No 1829/2003 and 1830/2003.</i></p>	
<p>Irradiation of raw materials / The irradiation of raw materials:</p> <p>The supplier further confirms that the raw material is not treated with radiation (UV, ionization). / <i>Supplier further confirms that the raw material is not treated with radiation (UV, ionization).</i></p>	