

PRODUCT SPECIFICATION

DATE OF ISSUE
23-12-2021





GLYCERIN FROM ORGANIC RAW MATERIAL (E422)
NATUURLIJK NATUURLIJK PRODUCT CODE:
X1696, X1697, X1698, X1699

PRODUCTION:
34522502

NATUURLIJK
NATUURLIJK
special food ingredients

1. PRODUCT IDENTIFICATION

1.1 Supplier product information

Product name	Glycerin from organic raw material		
Production	34522502		
Best Before date	31-01-2025		
Product code	Content	EAN	Packaging
X1696	60ml	8718309832285	Plastic bottle and screw lock cap with warranty seal. 60ml bottle with drip plug.  Bottle =  Cap =
X1697	250ml	8718309832292	
X1698	1000ml	8718309832308	Inner plug = 
X1699	18,21l 23kg	8718309832315	Jerrycan and cap = 

1.2 Scientific product information

Single ingredient	
Main use	Humectant
Chemical name	Glycerin (glycerol) from organic certified raw material, produced from soy and corn
Chemical formula	C ₃ H ₈ O ₃
Production method	See flowchart at 6.3

1.3 Legislative product information

CAS number	56-81-5
EU food additive	E422
Production country	India
Organic products	According to the EU definition, glycerin is not an agricultural product and therefore cannot be marked with the EU organic label. Nevertheless, glycerin from organic certified raw materials is approved as an additive in organic food (E 422), with restrictions on use according to Regulation (EU) 889/2008, Annex VIII. The maximum quantity limit is specified in Regulation (EU) 1129/2011.

2. PRODUCT INFORMATION

2.1 Physical and Chemical properties

	Unit	Specification	Method
Appearance		Clear transparent liquid	

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Colour		Colourless	
Odour/taste		Odourless	
consistency		syrup-like	20°C
Assay	%	99,81	
Acrolein formation at heating	-	conform Regulation (EU) 231/2012	
Relative density	-	1,263	20°C
Refractive index	-	1,4732	20°C
Water content	%	0,18	
pH value		6,82	

2.2 Microbiological data

Total aerobe plate count	Cfu/g	< 10	
Yeast & Moulds	Cfu/g	< 10	
Coliform germs	Cfu/g	< 10	
E Coli	Cfu/g	Absent	
Salmonella	in 25g	Absent	

2.3 Chemical analyses

Sulphate ash	%	< 0,008	
1,2,4-Butantriolo	%	< 0,05	
Acrolein, glucose and ammonium compounds	-	conform Regulation (EU) 231/2012	
Fatty acids and -esters calculated as butyric acid	%	< 0,1	
Chlorinated compounds	ppm	1,82	
Free 3-MCPD	ppb	< 0,05	
Arsenic (As)	ppm	< 1,0	
Lead (Pb)	ppm	< 1,0	
Mercury (Hg)	ppm	< 1,0	
Cadmium (Cd)	ppm	< 1,0	
Content of Diethylene glycol and Ethyl glycol	%	< 0,01	

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2.4 Nutritional Information

2.4.1 Nutritional Values

Energy	kJ/100g	1800	
Energy	kcal/100g	430	
Protein	g/100g	0	
Carbohydrate:	g/100g	100	
Of which Sugars	g/100g	0	
Polyols	g/100g	100	
Starches	g/100g	0	
Others	g/100g	0	
Fat:	g/100g	0	
Of which Saturated	g/100g	0	
Mono-unsaturated	g/100g	0	
Poly-unsaturated	g/100g	0	
Transfatty acids	g/100g	0	
Cholesterol	mg/100g	0	
Water	g/100g	max 0,5	
Organic acid	g/100g	-	
Dietary fiber	g/100g	-	

3. FOOD INTOLERANCE

3.1 Allergens

Yes = ✓ / No = ✗	Contains	Cross-Contamination (Risk)	
Beef and products thereof	✗	✗	
Cocoa or cocoa butter	✗	✗	
Carrot and products thereof	✗	✗	
Celery and products thereof	✗	✗	
Chicken and products thereof	✗	✗	
Cereals containing gluten and products produced with these (wheat, rye, oats, spelt,	✗	✗	

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barley, Kamut or hybrids)			
Maiz (corn) and products thereof	✓	✓	
Coriander and products thereof	✗	✗	
Crustaceans and Shellfish	✗	✗	
Eggs and products thereof	✗	✗	
Fish and products thereof	✗	✗	
Glutamate	✗	✗	
Lupin and products thereof	✗	✗	
Milk and products thereof (including Lactose)	✗	✗	
Molluscs and products thereof	✗	✗	
Mustard and products thereof	✗	✗	
Nuts and products thereof (almonds, hazelnuts, walnuts, cashews, pecan nuts, Brazil nuts, macadamia nuts, Queensland nuts, pistachios)	✗	✗	
Peanuts and products thereof	✗	✗	
Porc and products thereof	✗	✗	
Vegetable pulses	✗	✗	
Sesame seeds and products thereof	✗	✗	
Soy and products thereof	✓	✓	
Sulfur dioxide and sulfites (E220 to E228)	✗	✗	
3.2 Suitability for other diets:			
Coeliacs	✓	Lactose intolerant	✓
Halal	✓(not certified)	Vegans	✓
Kosher	✓	Vegetarian	✓

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3.3 GMO Declaration:

Glycerin from organic raw material does not contain genetically modified organisms and is not produced using raw materials of a genetically modified origin. At no stage during production does the product comes into contact with genetically modified organisms.
GMO-free according to regulation (EC) no.834/2007

3.4 Irradiation:

Glycerin from organic raw material has not been irradiated and does not contain nanoparticles or carcinogen, mutagen and eprotoxic substances.

3.5 BSE/TSE declaration:

Glycerin from organic raw material is produced from vegetable raw material, therefore vegan and thereby no risk of BSE/TSE.

3.6 Residual Solvents:

Glycerin from organic raw material does not contain nanoparticles, glycol ether, formaldehydes, nitrosamins, phtalates, SVHC, Dioxin, VOC, Melamin and CMR substances as product ingredients, microplastic.

3.7 Animal testing:

Glycerin from organic raw material is not tested on animals.

4. STORAGE CONDITIONS

Storage conditions	Cool, dry, protected against light, in sealed and completely filled packages.
Shelf life	48 months after production, under the above mentioned conditions.

5. FOOD SAFETY

5.1 Hygiene:

This product is produced in a facility wit an on HACCP based food safety system.

5.2 Identifications of dangers:

Classification of the substance (Regulation (EC) No 1272/2008)	Not classified. (non-hazardous)
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6. EXTENDED PRODUCT INFORMATION

6.1 Usage

Glycerin (glycerol) is a humectant, to keep food moist without the risk of mould or bacterial growth (when you use water). When adding to cakes, use 1 teaspoon (15ml) of glycerin per 100g flour.

It is also used to retard staling and to improve texture by plasticising the food.

Beside that it's an important ingredient to make rolled fondant. You can also ad it to royal icing to prevent it from getting too hard or use it to make dried fondant moist again. It's great to dissolve food colors too.

To prevent royal icing from setting too firm add 1 teaspoon (15ml) of Glycerin per 500g icing after the icing forms stiff peaks.

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6.2 Dictionary

NL	The Netherlands	Glycerine Glycerol
GB	Great Britain (UK)	Glycerin Glycerol, glycerine, glycerine vegetable
DE	Germany	Glycerin Glycerol, glyzerin
FR	France	Glycérol Glycérine
ES	Spain	Glicerol Glicerina
PT	Portugal	Glicerol Glicerina
IT	Italy	Glicerolo Glicerina
DK	Denmark	Glycerin Glycerol
NO	Norway	Glyserol Glycerin
SE	Sweden	Glycerin Glycerol
FI	Finland	Glyseroli Glyseriini
IS	Iceland	Glýserín Glýseról
CZ	Czech Republic	Glycerol Glycerín
SK	Slovak Republic	Glycerol Glycerín
HU	Hungary	Glicerín Glycerol
HR	Croatia (Hrvatska)	Glicerol Glicerín
GR	Greece	Glycerin, Glycerol
SI	Slovenia	Glicerín
PL	Poland	Gliceryna Glicerol
RO	Romania	Glicerol Glicerina
BG	Bulgaria	Глицерин
RU	Russian Federation	Глицерин
TR	Turkey	Gliserin Gliserol

6.3 Production flowchart

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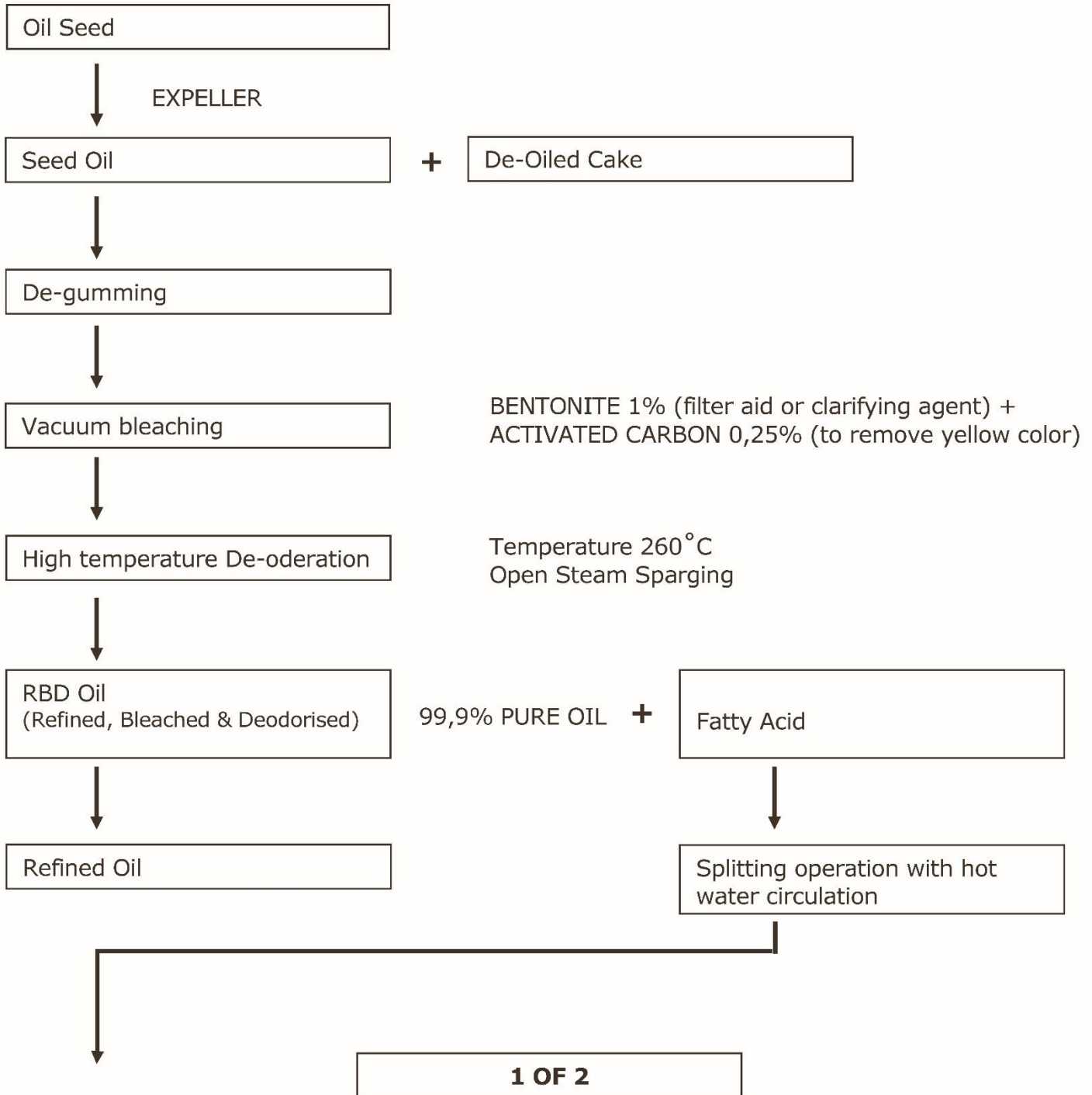
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GLYCERIN FROM CERTIFIED ORGANIC RAW MATERIAL PRODUCTION FLOWCHART



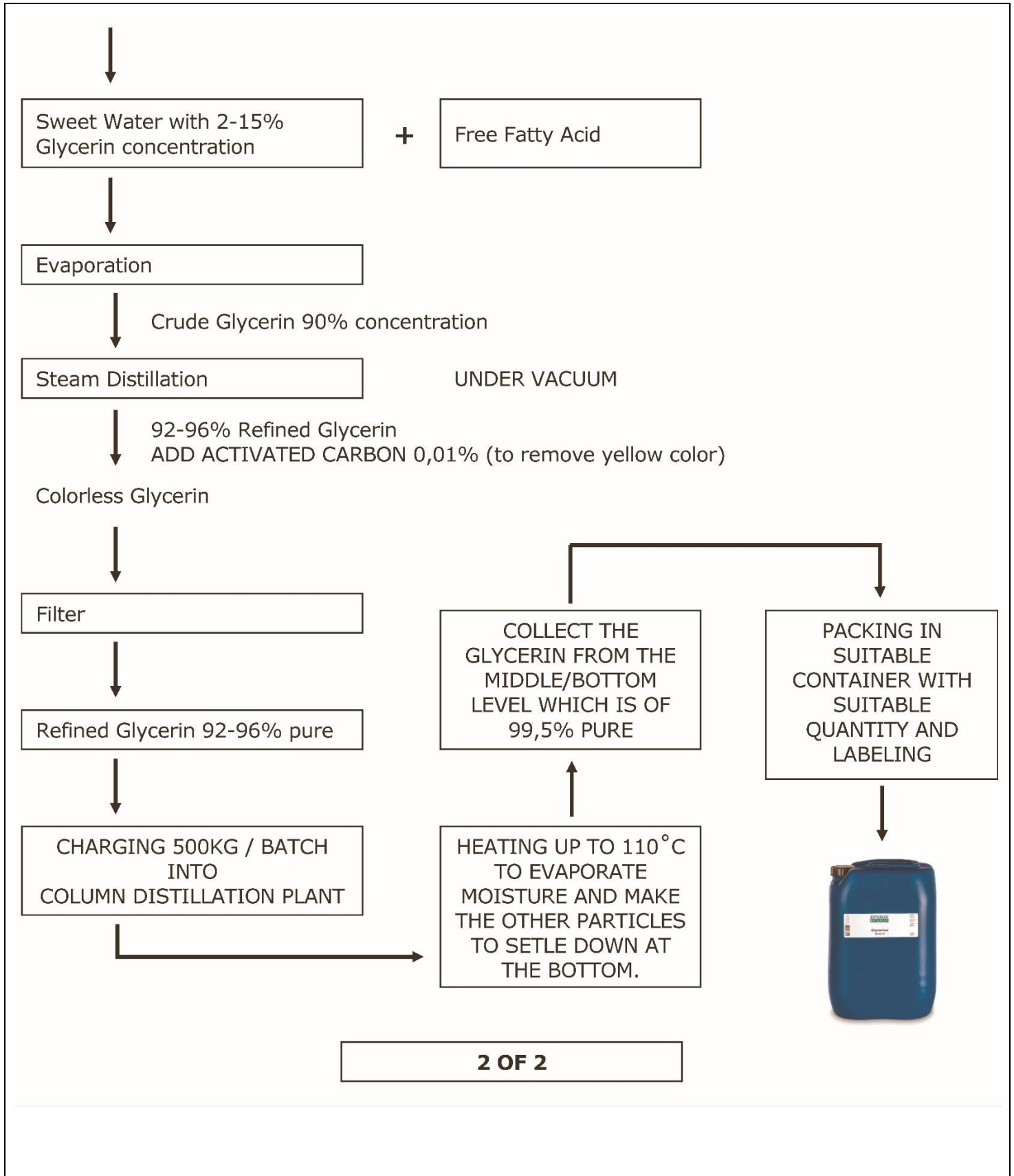
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7. DISCLAIMER

Although we take great care in setting up this product specification, we cannot accept any liability for the completeness and fully accurateness of the information provided. The content of this Product Specification is completed to the best of our knowledge.

This document does not dismiss the user of his legal obligations with respect to food safety.

This product specification replaces any previously issued specifications.