

# PRODUCT SPECIFICATION

DATE OF ISSUE  
11-09-2015




**ORGANIC ETHANOL, ALCOHOL 96%**  
NATUURLIJK NATUURLIJK PRODUCT CODE:  
X1569, X1570, X1571

**PRODUCTION:**  
18211802

**NATUURLIJK**  
**NATUURLIJK**  
special food ingredients

## 1. PRODUCT IDENTIFICATION

### 1.1 Supplier product information

<b>Product name</b>	Organic ethanol, alcohol 96% pure		
<b>Production</b>	18211802		
<b>Product code</b>	<b>Content</b>	<b>EAN</b>	<b>Packaging</b>
X1569	60ml	8718309830670	Plastic bottle and screw lock cap with warranty seal. 60ml bottle with drip plug. Bottle =  PET Cap =  PE-HD Inner plug =  PE-LD
X1570	250ml	8718309830687	
X1571	1000ml	8718309830694	

### 1.2 Scientific product information

#### Single ingredient

Main use	Preservative and solvent in food
Chemical name	Organic ethanol 96%, ethyl alcohol
Chemical formula	C <sub>2</sub> H <sub>6</sub> O
Production method	The Neutral Alcohol (ethanol) is obtained by the distillation of a cider coming from the enzymatic transformation and following fermentation of the starch extracted from Organic wheat flour.

### 1.3 Legislative product information

CAS number	64-17-5		
EU food additive	-		
Country of Origin	Italy		
<b>Certification</b>	Organic	<b>Certification number</b>	103446
	<b>Institute</b>	Skal NL-BIO-01	

## 2. PRODUCT INFORMATION

### 2.1 Physical and Chemical properties

	Unit	Specification	Method
Appearance		clear liquid	
Colour		colorless	
Odour/taste		alcoholic	
Purity	%	96,5	
Bulk density	g/cm <sup>3</sup>	0,8	at 20°C
Solubility		fully soluble	in water
Boiling point	°C	78,2	

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Melting point	°C	approx. -114	
Flash point	°C	12	
Autoignition temperature	°C	363	
Viscosity, dynamic	mPa.s	1,2	20°C

## 2.3 Chemical analyses

Acid concentration (Acetic)	g/Hl	<1,0 (< 0,001%)	a 100%vol.
Esters in ethyl acetate	g/Hl	<0,5 (< 0,0005%)	a 100%vol.
Aldehydes in acetaldehyde	g/Hl	<0,3 (< 0,0003%)	a 100%vol.
High-boiling alcohol (in isopropyl alcohol)	g/Hl	<0,3 (< 0,0003%)	a 100%vol.
Methyl alcohol	g/Hl	<0,5 (< 0,0005%)	a 100%vol.
Dry Extract	g/Hl	<0,2 (< 0,0002%)	a 100%vol.
Hydrogenous volatile bases	g/Hl	<0,01 (< 0,00001%)	a 100%vol.
Furfural	g/Hl	not traceable	a 100%vol.

## 2.4 Nutritional Information

### 2.4.1 Nutritional Values

Energy	kJ/100g	2900	
Energy	kcal/100g	700	
Protein	g/100g	0	
Carbohydrate:	g/100g	0	
Of which Sugars	g/100g	0	
Polyols	g/100g	0	
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	3,5	

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Organic acid	g/100g		
Dietary fiber	g/100g	0	

## 2.4.2 Minerals

Sodium (Na)	mg/100g	0	
Calcium (Ca)	mg/100g	0	
Potassium (K)	mg/100g	0	

## 2.4.3 Vitamins

All		absent	
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## 3. FOOD INTOLERANCE

### 3.1 Allergens

Yes = ✓ / No = ✗	Contains	Direct Contamination	Cross-Contamination (Risk)
Barley	✗	✗	✗
Beef	✗	✗	✗
Cacao	✗	✗	✗
Carrot	✗	✗	✗
Celery and celery products	✗	✗	✗
Cereals containing gluten and products produced with these (wheat, rye, oats, spelt, barley)	✗	✗	✗

There is no presence of gluten because the protein contained in the wheat is not fermentable, therefore it doesn't produce alcohol. Moreover the distillation works with evaporation, composed of five columns, assuring an absolute absence of proteins.

Chicken	✗	✗	✗
Coriander	✗	✗	✗
Crustaceans and Shellfish	✗	✗	✗
Eggs and egg products	✗	✗	✗
Fish and fish products	✗	✗	✗
Glutamate	✗	✗	✗
Lupin and products thereof	✗	✗	✗

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Milk and milk products (including Lactose)	X	X	X
Molluscs and products thereof	X	X	X
Mustard and mustard products	X	X	X
Nuts and nut products (almonds, hazelnuts, walnuts)	X	X	X
Peanuts and peanut products	X	X	X
Pork	X	X	X
Sesame and sesame products	X	X	X
Soybean and soybean products	X	X	X
Sulphite (E221 – E228)	X	X	X
Sulphur dioxide (>10mg/kg)	X	X	X

## 3.2 Suitability for other diets:

Coeliacs	✓	Lactose intolerant	✓
Halal	X	Vegans	✓
Kosher		Vegetarian	✓

## 3.3 GMO Declaration:

Ethanol 96% 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 come into contact with genetically modified organisms.

## 4. STORAGE CONDITIONS

Storage conditions	In closed original packaging. Must be kept cool and dry in a well-ventilated place.
Shelf life	48 months after production, under the above mentioned conditions.

## 5. FOOD SAFETY

### 5.1 Hygiene:

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

### 5.2 Identifications of dangers:

**Classification of the substance** (Regulation (EC) No 1272/2008) | Flammable liquids, Category 2

### 5.3 Labeling, directions for use:

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## 5.3.1 Disclaimer:

These labeling directions are not required for packaging with a content of 125ml or less.

## 5.3.2 Hazards identification:

Hazard pictogram	
Signal Word	Danger
Hazard Statements	H225 Highly flammable liquid and vapour.

## 5.3.3 Safety Recommendation:

Prevention	P210 Keep away from heat/sparks/open flames/hot surfaces. — No smoking. P233 Keep container tightly closed. P241 Use explosion-proof electrical /ventilating /lighting /equipment. P243 Take precautionary measures against static discharge.
Response	P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
Storage	P403+P235 Store in a well-ventilated area. Keep cool.

## 6. EXTENDED PRODUCT INFORMATION

### 6.1 Usage

Pure alcohol (ethanol) for use in food. The high liquor tax and high product tax makes this an expensive ingredient.

### 6.2 Dictionary

NL	The Netherlands	Ethanol, alcohol
GB	Great Britain (UK)	Ethanol (Ethyl alcohol)
DE	Germany	Ethanol (Ethylalkohol, alkohol)
FR	France	Éthanol
ES	Spain	Etanol
PT	Portugal	Etanol
IT	Italy	Etanolo
DK	Denmark	Ethanol
NO	Norway	Etanol
SE	Sweden	Etanol
FI	Finland	Etanoli
IS	Iceland	Etanól

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CZ	Czech Republic	Ethanol
SK	Slovak Republic	Etanol
HU	Hungary	Etanol
HR	Croatia (Hrvatska)	Etanol
GR	Greece	Αιθανόλη
SI	Slovenia	Etanol
PL	Poland	Etanol (Alkohol etylowy)
RO	Romania	Etanol
BG	Bulgaria	Етанол
RU	Russian Federation	Этанол
TR	Turkey	Etanol

## 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.