



# GM LUX ETHYL ALCOHOL

## CERTIFICATE OF QUALITY

*ENA Ethyl alcohol of agricultural origin  
100% neutral spirits distilled from wheat grains*

Synonyms: Ethanol  
CAS Number: [64-17-5](#)  
Linear Formula:  $\text{CH}_3\text{CH}_2\text{OH}$

Test at 20°C	<a href="#">Regulation (EC) No 110/2008</a>	Result
<b>Description</b>	Colorless, volatile, flammable liquid, hygroscopic. It burns with a blue, smokeless flame	Pass
<b>Color and form</b>	Colorless liquid	Pass
<b>Color test</b>	Colorless (as compared to Standard Solution)	Pass
<b>Solubility</b>	Mixed with water and methylene chloride	Pass
<b>Infrared spectrum</b>	Conforms to Structure	Pass
<b>UV Absorbance (240 – 340nm)</b>	Absorption curve is smooth	Pass
240 nm	< 0,400	0,230
250 – 260 nm	< 0,300	0,107 – 0,031
270 – 340 nm	< 0,100	0,011 – 0,001
<b>Ethanol content</b>	minimum 96,0% vol	96,5
<b>Relative density (d20/20)</b>	Not more than 0,8089	0,8068
<b>Residue on Evaporation</b>	< 0,5 g/hl a.a.	< 0,1
<b>Acidity or Alkalinity</b>	Not more than 1,5 g/hl a.a.	0,2
<b>Impurities</b>	g/hl a.a.	
Acetaldehyde and acetal (as acetaldehyde)	< 0,5	< 0,1
Methanol	< 30	1,3
Esters (as ethylacetate)	< 1,3	< 0,1
<b>Permanganate test</b>	> 18 minutes	25

The product meets requirements with [Regulation \(EC\) No 110/2008](#) for Ethanol 96%.

**Shelf life:** 2 years from manufacturing date.

**KOSHER CERTIFICATE**

ISO 9001 CERTIFIED ORGANIZATION

