



# Ethanol in Cosmetic Quality

Made from sustainable,  
natural and certified raw materials

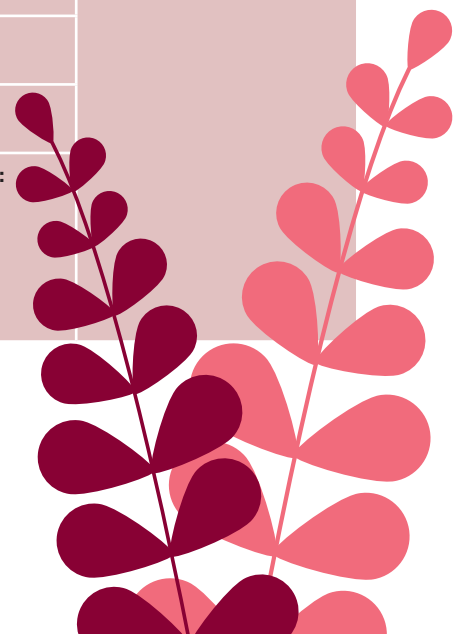
# Our cosmetic ethanol qualities

**Green origin – listed below are the specifications fulfilled by our alcohol in (natural) cosmetics and the qualities we value as a manufacturer of cosmetic ethanol.**

- Conventional ethanol (96 vol.% and 100 vol.%) and ethanol from controlled organic cultivation (organic, 96 vol.%) in the range
- Our ethanol comes from agricultural sources. Raw materials include cereals, sugar beet and potatoes, among other things
- We avoid long transport routes: Most of the raw materials come from Germany and some from neighboring EU countries
- Our BioPremium Ethanol (96 vol.%), which is produced from organically grown wheat or organic potatoes, is suitable for organic cosmetics and is certified on the basis of Article 29 paragraph 1 of Regulation (EC) No 834/2007 and of Council Regulation (EC) No 889/2008 for organic farming
- All our ethanol qualities comply with:
  - European Pharmacopoeia (EP)
  - Cosmetics Regulations (EC) No. 1223/2009 and Cosmetics Ordinance 2014

Ethanol qualities	Denaturant	Fields of application (excerpt)	Container sizes	
<b>Ethanol 96 %</b> EP, undenatured	5.2 kg Triethyl Citrate (TEC)	<ul style="list-style-type: none"> <li>• Hair Care</li> <li>• Perfume</li> <li>• Room Spray</li> </ul>	30 liter canister 200 liter drum 1000 liter IBC Loose in tank truck	
	0.5 kg Diethyl Phthalate (DEP)	<ul style="list-style-type: none"> <li>• Hair Care</li> <li>• Perfume</li> <li>• Room Spray</li> </ul>		
	5 kg Isopropanol (IPA) + 78 g Tertiary Butanol (TB)	<ul style="list-style-type: none"> <li>• Decorative Cosmetics</li> <li>• Deodorant</li> <li>• Nourishing Cosmetics</li> </ul>		
	<b>Ethanol 100 %</b> EP, undenatured	0.8 g Bitrex + 78 g Tertiary Butanol (TB)		<ul style="list-style-type: none"> <li>• Decorative Cosmetics</li> <li>• Perfume</li> <li>• Nourishing Cosmetics</li> <li>• Room Spray</li> </ul>
	7 kg Dermosoft	<ul style="list-style-type: none"> <li>• Hair Care</li> <li>• Nourishing Cosmetics</li> </ul>		
	0.3 kg Lavender Oil	<ul style="list-style-type: none"> <li>• Perfume</li> <li>• Nourishing Cosmetics</li> </ul>		
0.5 kg Lavandin Oil	<ul style="list-style-type: none"> <li>• Perfume</li> <li>• Nourishing Cosmetics</li> </ul>			
<b>BioPremium Ethanol 96 %</b> EP, undenatured, organic	0.35 kg Lavender Oil, organic	<b>Suitable for natural cosmetics:</b> <ul style="list-style-type: none"> <li>• Decorative Cosmetics</li> <li>• Deodorant</li> <li>• Hair Care</li> <li>• Perfume</li> <li>• Nourishing Cosmetics</li> <li>• Room Spray</li> </ul>		
	0.5 kg Lavandin Oil, organic			
	5.2 kg Triethyl Citrate (TEC)			
	7 kg Dermosoft			

All denatured ethanol qualities above are the preferred ones for cosmetic applications. The denaturant quantities always apply per 100 liters of alcohol. In addition, you are welcome to request individual denaturations from us at any time.

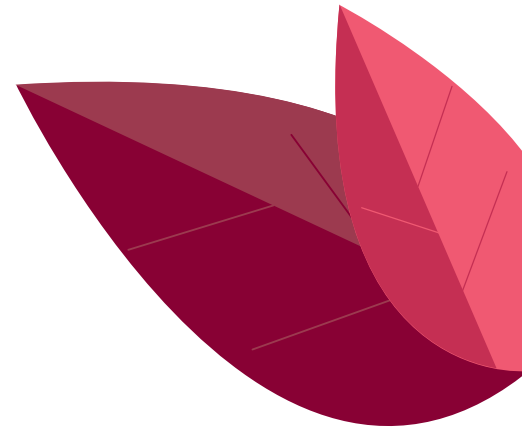


# Why is denatured ethanol predominantly used in cosmetics?

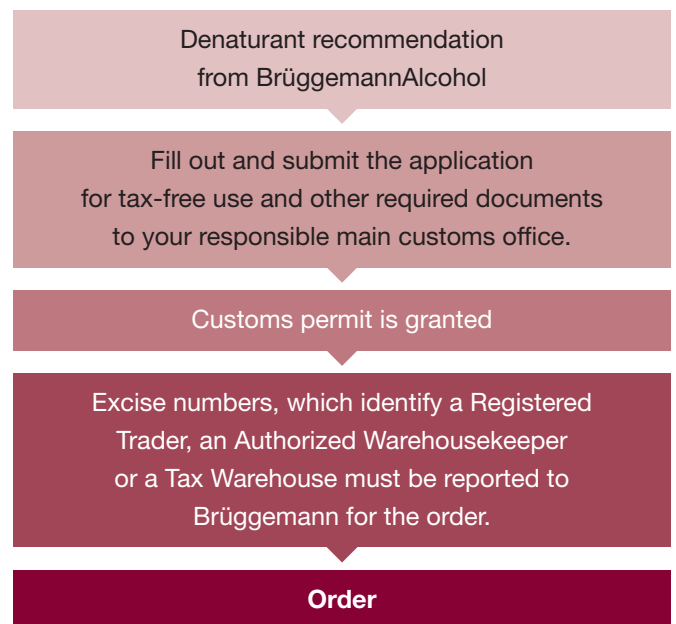
For cosmetic applications, ethanol is denatured primarily to avoid the alcohol tax that would otherwise be due. Denaturing or denaturation is the addition of an auxiliary substance, the denaturant. As a result of denaturation, the alcohol is made unusable for consumption purposes. Therefore, there is no alcohol tax (amount varies by country) paid. This is to ensure that the alcohol is not subsequently used for human consumption.

In addition, denaturants often have positive side effects, such as making hair easier to comb, fixing fragrances and speeding up the drying process on the skin.

In order to be able to obtain denatured alcohol for your cosmetics, you need a permit (tax warehouse). This allows you to obtain tax-free alcohol for your application and can be applied for at your responsible main customs office.

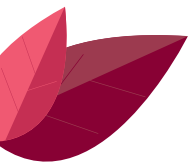


## How to apply for the permit for your desired denaturing:



Do you still have questions about the permit?  
**Contact us – we will be happy to help you!**





# Standard used denaturants in cosmetics

To make it easier for you to choose the denaturant that is right for your application, we have classified each denaturant as follows:

- 💡 Functional benefit: the advantages of the denaturant in addition to the properties of ethanol for your cosmetic product
- 👃 Inherent odor of the denaturant

**Triethyl citrate (TEC)** is formed by the esterification of citric acid with ethanol.

- Dissolves other substances in the cosmetic product
- Fixes fragrances
- Hair conditioning
- Film forming
- Permitted for natural cosmetics
- Odorless

💡💡💡 👃

**Diethyl phthalate (DEP)** is an organic compound from the group of phthalates.

- Dissolves other substances in the cosmetic product
- Fixes fragrances
- Hair conditioning
- Film forming

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**Isopropanol (IPA)** – secondary alcohol **and Tertiary butanol (TB)** – simple tertiary alcohol. Both are organic chemical compounds.

- Dissolves other substances in the cosmetic product
- Improves the smell of a fragrance
- Increases or decreases viscosity
- Suppresses foaming during production

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**Tertiary butanol (TB)** – simple tertiary alcohol (only permitted with the addition of the bittering agent **Bitrex**, also known as denatonium benzoate)

- Dissolves other substances in the cosmetic product
- Improves the smell of a fragrance
- Accelerates the drying process of the cosmetic product

💡💡 👃👃

**Dermosoft** is an organic acid produced from sugar cane with high water solubility and bactericidal effect.

- Skin care
- Increases or decreases viscosity
- Preserves the moisture of the skin or cosmetic product
- Hair conditioning

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**Lavender or lavandin oil** (hybrid lavender) is extracted from the plant of the same name.

- Enhances the smell of a fragrance
- Creates a pleasant feeling on the skin or hair

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## Functional benefit

- 💡 Low functional benefit
- 💡💡 Medium functional benefit
- 💡💡💡 High functional benefit

## Inherent odor

- 👃 Odorless
- 👃👃 Light odor
- 👃👃👃 Strong odor



Further special denaturations are possible, provided that a permit (tax warehouse) can be applied for at the responsible main customs office – we will be happy to advise you!

# The advantages of our ethanol in cosmetic quality at a glance

Vegan

GMO-free

Sulphate-free

Nitrate-free

Paraben-free

Free from  
animal  
testing

Free from  
micro-  
plastics



We are certified according to  
ISO 9001 and ISO 14001

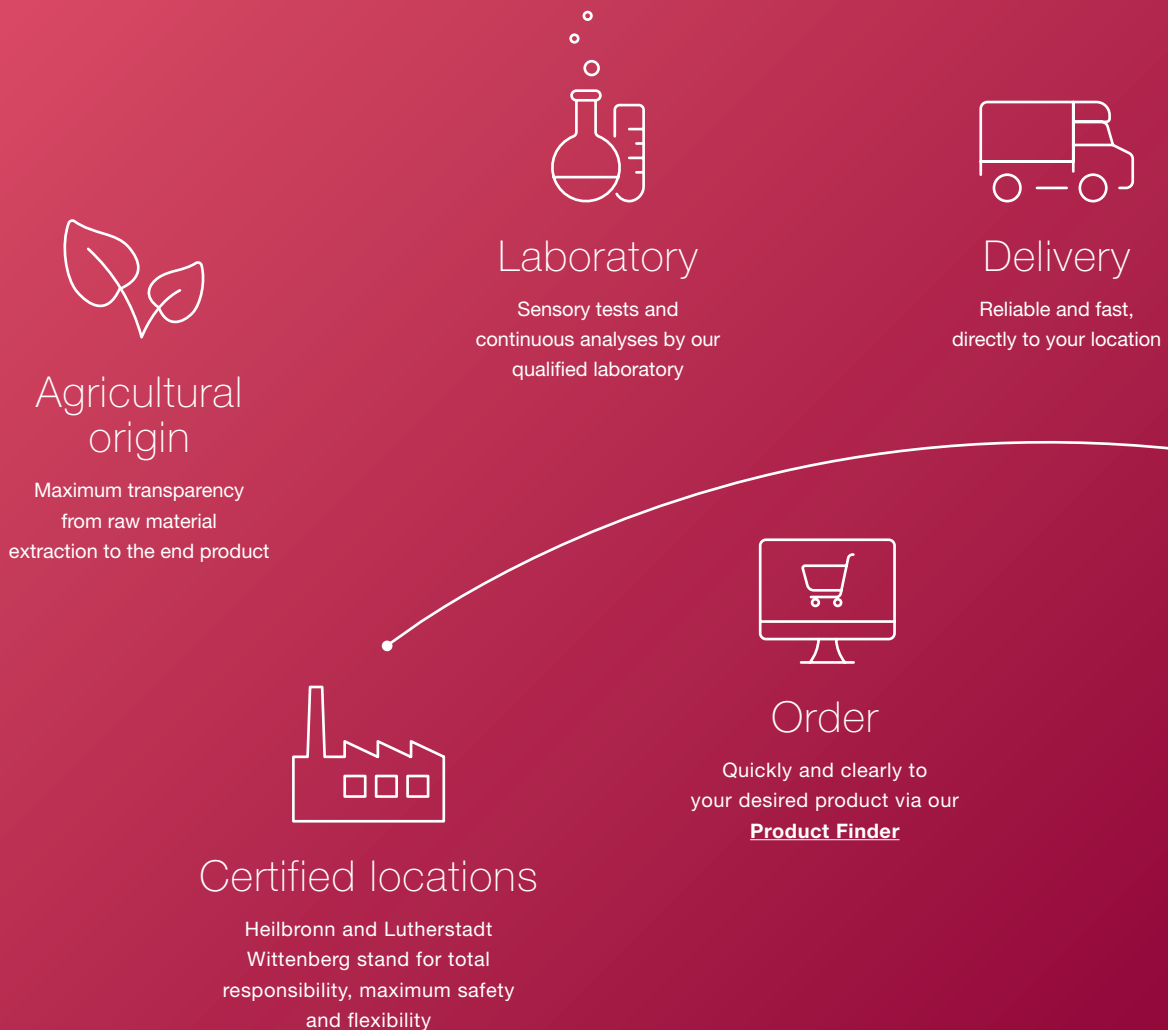


Our BioPremium ethanol is  
certified controlled organic



Our BioPremium ethanol  
is Natrue-certified

Creating the missing link.



Reliability, speed, flexibility, quality and service –  
these are the strengths you can expect from us!

With BrüggemannAlcohol you are always on the safe side! Since 1868, the production and sales of ethanol has been one of our core competencies. With our two production sites – Heilbronn and Lutherstadt Wittenberg – fast and flexible delivery is possible at any time.

Have we caught your interest? Get in touch with us – we look forward to hearing from you!

**BrüggemannAlcohol Heilbronn GmbH**

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