



Ethanol

Ethanol, also called alcohol, ethyl alcohol, and drinking alcohol, is a chemical compound, a simple alcohol with the chemical formula C_2H_5OH . Its formula can be written also as CH_3-CH_2-OH or C_2H_5-OH (an ethyl group linked to a hydroxyl group), and it is often abbreviated as **EtOH**. Ethanol is a volatile, flammable, colorless liquid with a slight characteristic odor. It is a psychoactive substance and it is the principal type of alcohol found in alcoholic drinks.

Ethanol is naturally produced by the fermentation of sugars by yeasts or via petrochemical processes, and it is most commonly consumed as a popular recreational drug. It also has medical applications as an antiseptic and disinfectant and in laboratory processes. The compound is widely used as a chemical solvent, either for scientific chemical testing or in synthesis of other organic compounds, and it is a vital substance utilized across many different kinds of manufacturing industries. Ethanol is also used as a clean-burning fuel source.



We offer three different types of ethanol according to its purity:

- **Clean Ethanol** does not contain other substances but water, depending of its concentration: absolute, 96 %, 70 %, etc. Their main applications are: Clinical Diagnosis (with CE mark), Instrumental Analysis, General Solvent for chemical and biochemical laboratory applications.
- **Completely Denatured Ethanol**, also called methylated spirit or denatured rectified spirit, it is ethanol that has additives to make it poisonous, bad tasting, foul smelling or nauseating, to discourage recreational consumption. In some cases it is also dyed. According to the new European Regulation (EU) 2016/1867 of 20 October 2016, it contains IPA, MEK and Bitrex as denaturing agents. We can find purities of 99.9 %, 96 % and 70 %. Their main applications are: clinical diagnosis and general solvent in chemical and biochemical laboratory.
- Finally, *only in Spain* it is typically commercialized the **Partially Denatured Ethanol** which contains 0.3 % v/v of Diethyl Phthalate and 2 ppm of Bitrex and has no colours. We offer absolute and 96 % purity. Their main applications are: clinical diagnosis and technical chemical solvent.



Depending on the country, different product codes from PanReac AppliChem have to be ordered by the customer.

As ethanol is a very controlled product by the administrations, it is charged directly or indirectly with taxes:

- **Clean Ethanol:** the user has to pay a tax or needs an authorisation.
- **Completely Denatured Ethanol:** authorisation is needed.
- **Partially Denatured Ethanol (only in Spain):** authorisation is needed.

Ordering Information

1 Clean Ethanol (not for sale in Germany)

Description	Code	Pack size
Ethanol absolute for HPLC gradient	221086.1611	1000 ml
	221086.1612	2.5 L
	221086.0515	10 L
Ethanol absolute for UV, IR, HPLC	361086.1611	1000 ml
	361086.1612	2.5 L
	361086.16153	4 L
	361086.1616	25 L
Ethanol absolute dry (max. 0.02% water)	481086.1611	1000 ml
Ethanol absolute for analysis, ACS, ISO	131086.1611	1000 ml
	131086.1211	1000 ml
	131086.1612	2.5 L
	131086.1212	2.5 L
	131086.1214	5 L
	131086.1315	10 L
	131086.0716	25 L
Ethanol absolute (USP, BP, Ph.Eur.) pharma grade	191086.1211	1000 ml
	191086.1612	2.5 L
	191086.1212	2.5 L
	191086.1214	5 L
	191086.9914	5 L
	191086.0716	25 L
	191086.0718	60 L
	191086.0719	200 L
	191086.0819	200 L
Ethanol absolute pure	141086.1211	1000 ml
	141086.1212	2.5 L
	141086.1214	5 L
	141086.1315	10 L
Ethanol absolute for clinical diagnosis	251086.1211	1000 ml
	251086.1212	2.5 L
	251086.9914	5 L
	251086.1214	5 L
	251086.1215	10 L
Ethanol absolute, 99.5% for synthesis	161086.1211	1000 ml
	161086.1714	5 L
	161086.0616	25 L

Description	Code	Pack size
Ethanol absolute GMP - IPEC grade	631086.0716	25 L
	631086.0719	200 L
Ethanol 96% v/v for UV, IR, HPLC	361085.1611	1000 ml
	361085.0537	30 L
Ethanol 96% v/v for analysis, ACS	131085.1611	1000 ml
	131085.1211	1000 ml
	131085.1612	2.5 L
	131085.1212	2.5 L
	131085.1214	5 L
	131085.1315	10 L
Ethanol 96% v/v GMP - IPEC grade	631085.1214	5 L
	631085.0716	25 L
	141085.1211	1000 ml
	141085.1212	2.5 L
Ethanol 96% v/v (USP, BP, Ph.Eur.) pure, pharma grade	141085.1214	5 L
	141085.1315	10 L
	141085.0716	25 L
	141085.0719	200 L
	141085.9774	1000 L
Ethanol 96% v/v food grade	201085.1214	5 L
Ethanol 96% v/v for clinical diagnosis	251085.1211	1000 ml
	251085.1212	2.5 L
	251085.1214	5 L
	251085.1315	10 L
Ethanol 70% v/v (BP) pharma grade	192695.1211	1000 ml
	192695.1212	2.5 L
	192695.1214	5 L
	192695.1315	10 L
	192695.0516	25 L
Ethanol 70% v/v food grade	202695.1214	5 L
	202695.0716	25 L
	202695.0074	1000 L
Ethanol 70% v/v for clinical diagnosis	252695.1215	10 L



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Clean Ethanol (available in all countries)

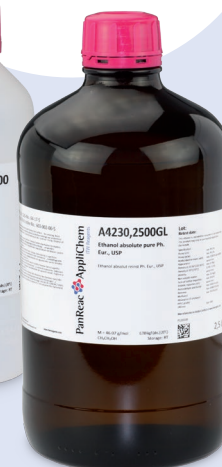
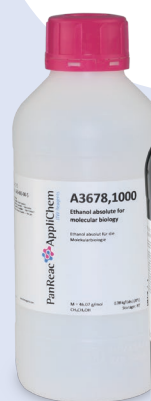
Description	Code	Pack size
Ethanol absolute for molecular biology	A8075,1000PE	1000 ml
	A8075,2500PE	2.5 L



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Clean Ethanol (only for sale in Germany)

Description	Code	Pack size
Ethanol absolute for molecular biology	A3678,0250	250 ml
	A3678,0500	500 ml
	A3678,1000	1000 ml
	A3678,2500	2.5 L
Ethanol absolute BioChemica	A3693,2500PE	2.5 L
Ethanol HPLC grade	A1612,1000	1000 ml
	A1612,2500	2.5 L
Ethanol absolute for analysis	A1613,1000GL	1000 ml
	A1613,1000PE	1000 ml
	A1613,2500PE	2.5 L
	A1613,2500GL	2.5 L
	A1613,5000PE	5 L
Ethanol absolute (Ph. Eur., USP) pure, pharma grade	A4230,1000GL	1000 ml
	A4230,1000PE	1000 ml
	A4230,2500GL	2.5 L
	A4230,2500PE	2.5 L
Ethanol 96 % v/v for analysis	A1868,1000	1000 ml
	A1868,2500	2.5 L
Ethanol 96 % v/v (Ph. Eur., BP) pure, pharma grade	A1615,2500GL	2.5 L
	A1615,2500PE	2.5 L
	A1615,5000PE	5 L
	A1615,9025PE	25 L
Ethanol 70 % for analysis	A2192,1000PE	1000 ml
	A2192,5000	5 L
Ethanol 70 % (DAB) pure, pharma grade	A0913,0250	250 ml
	A0913,1000	1000 ml
	A0913,5000	5 L





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4 Completely Denatured Ethanol (not available in Spain)



Description	Code	Pack size
For sale in Italy (pink)		
Ethanol absolute denatured pure	NC808005000	5 L
Ethanol 94 % denatured pure	NC202005000	5 L
For sale in Rest of Europe (colourless)		
Ethanol 99.8 % denatured with IPA, MEK and Bitrex for analysis	127194.1212	2.5 L
Ethanol 99.8 % denatured with IPA, MEK and Bitrex pure	147194.1212	2.5 L
	147194.1214	5 L
	147194.1215	10 L
	147194.0716	25 L
	147194.0616	25 L
Ethanol 96 % denatured with IPA, MEK and Bitrex pure	147195.1211	1000 ml
	147195.1212	2.5 L
	147195.1214	5 L
	147195.0716	25 L
Ethanol 70 % denatured with IPA, MEK and Bitrex pure	147196.1212	2.5 L
	147196.1214	5 L
	147196.1215	10 L
	147196.0716	25 L

5 Partially Denatured Ethanol (only for sale in Spain)

Description	Code	Pack size
Ethanol absolute partially denatured technical grade	212801.1211	1000 ml
	212801.1214	5 L
	212801.2814	5 L
	212801.1315	10 L
Ethanol 96 % v/v partially denatured technical grade	212801.0716	25 L
	212800.1211	1000 ml
	212800.1214	5 L
	212800.1315	10 L
	212800.0716	25 L
	212800.1074	1000 L



IP-040EN

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