

COVALENT PROJECTS & ENGINEERING PVT. LTD.

ETHANOL 96% (192 PROOF) BP/EP/USP GRADE

High quality Extra Neutral Alcohol 96% to the pharmaceutical and medical industry for a wide range of applications. Alcohols comply with EP, BP, USP and JP specifications. The Extra Neutral Alcohol 96% BP/ EP grade is a high purity Ethyl Alcohol produced from Sugarbeet, Sugarcane molasses or Grain. This process is done through a fermentation, distillation and rectification process.

To meet the pharmaceutical and medical industry quality requirements, products are produced according to the GMP and ISO protocols.

Denatured

If needed, this product fully denatured in accordance with government rules.

PRODUCT APPEARANCE

Clear colourless liquid with neutral odour.

COMPLIANCE

European and British Pharmacopoeia specifications.

BASE PROPERTIES

Alcoholic strength	96.0% - 96.9 %
ID test A	Conforms
ID Test B	Conforms
Acetal and Acetaldehyde	≤ 10 ppm
Benzene	≤ 2 ppm
Methanol	≤ 100 ppm

APPLICATIONS AND USE

- Production of pharmaceuticals.
- Solvent for laboratory use.
- Cleaning of surfaces.
- Production of disinfectants.

COVALENT PROJECTS & ENGINEERING PVT. LTD.

ETHANOL 95%(190 PROOF) EP/BP/USP GRADE

The Ethanol 95% (190 proof) is, after the fermentation of Sugarcane molasses, Grain, Rice or Sugarbeet, distilled and rectified to 95% (190 proof) Ethanol. To meet the pharmaceutical and medical industry quality requirements, products are produced according to the GMP and ISO protocols.

Sasma supplies

PRODUCT APPEARANCE

Clear and colourless liquid.

COMPLIANCE

United States Pharmacopoeia specifications.

BASE PROPERTIES

Alcoholic strength	$\geq 99,9\%$ v/v min.
ID test A	Positive
ID Test B	Positive
Aldehydes as Acetaldehyde	≤ 10 ppm
Benzene	≤ 5 ppm
Methanol	≤ 200 ppm
Total of all other impurities	≤ 300 ppm



APPLICATIONS AND USE

- Production of pharmaceuticals.
- Solvent for laboratory use.
- Cleaning of surfaces.
- Production of disinfectants.

Specification

Ethanol absolute (Ph. Eur., USP) pure, pharma grade

A4230

Synonym	Alcohol, Ethyl Alcohol
	We herewith confirm that this product meets the requirements of the European Pharmacopoeia (Ph.Eur. 8.5) and the US Pharmacopoeia (USP 39).
state of matter	Liquid
Density	0.789 kg/l (abs.) (20°C)
n 20°C/D	1.3611 (abs.)
Melting point	-114.5°C (abs.)
Boiling point	78.3°C (abs.)
Formula	CH ₃ CH ₂ OH
M	46.07 g/mol
CAS-No.:	64-17-5
HS-No.:	22071000
EC-No.:	200-578-6
Storage:	RT
LGK:	3
Disposal:	1
Hazard pictogram(s)	
Hazard statement(s)	H225
Precautionary statement(s)	P210
Signal word	Danger
R:	11
S:	7-16
	highly flammable
Class / PG:	3/II
UN-No.	UN1170
WGK:	1

Specification

Ethanol absolute (Ph. Eur., USP) pure, pharma grade

A4230

	This ethanol is intended for consumers in Germany only. The product may only be purchased at AppliChem Darmstadt.
Specification	
Assay (m/m)	min. 99.2 %
Assay (v/v)	min. 99.5 %
Appearance	passes test
Density (d 15.56°C/15.56°C)	max. 0.7962
Density (d 20°C/20°C)	0.790 - 0.793
Volatile impurities (GC)	passes test
Identity	passes test
Non-volatile matter	max. 25 mg/L
Acidic/alkaline react. subst.	max. 0.003 % (as AcOH)
Sum of further impurities	max. 0.03 %
Acetaldehyde and Acetal	max. 0.001 % (v/v)
Benzene	max. 0.0002 % (v/v)
Methanol	max. 0.02 % (v/v)
Absorption (5 cm/water HPLC grade)	
240 nm	max. 0.40
250 - 260 nm	max. 0.30
270 - 340 nm	max. 0.10