

Specification

Ethanol 96 % v/v (Ph. Eur., BP) pure, pharma grade

A1615

Refractive Index:	n ₂₀ /D 1.3611 (abs.)
Physical Description:	Liquid
Product Code:	A1615
Product Name:	Ethanol 96 % v/v (Ph. Eur., BP) pure, pharma grade
Headline Comment:	This ethanol is intended for consumers in Germany only. The product may only be purchased at AppliChem Darmstadt.
Specifications:	<p>Assay (w/w): 92.6 - 95.2 %</p> <p>Assay (v/v): 95.1 - 96.9 %</p> <p>Identity: passes test</p> <p>Appearance: passes test</p> <p>Volatile org. impurities (GC): passes test</p> <p>Density (d 20°C/20°C): 0.805 - 0.812</p> <p>Non-volatile matter: max. 25 mg/L</p> <p>Acidic/alkaline react. subst.: passes test</p> <p>Absorption</p> <p>240 nm: max. 0.40</p> <p>250 - 260 nm: max. 0.30</p> <p>270 - 340 nm: max. 0.10</p> <p>Elemental impurities (according to ICH Q3D):</p> <p>Class 2A (Co): max. 5 ppm</p> <p>Class 3 (Li): max. 55 ppm</p> <p>Class 1 (Pb): max. 0.5 ppm</p> <p>Class 1 (As): max. 1.5 ppm</p> <p>Class 2B (Pd): max. 10 ppm</p> <p>Class 2B (Ir): max. 10 ppm</p> <p>Class 2B (Os): max. 10 ppm</p> <p>Class 2B (Ru): max. 10 ppm</p> <p>Class 3 (Ba): max. 140 ppm</p> <p>Class 3 (Mo): max. 25 ppm</p> <p>Class 3 (Cr): max. 25 ppm</p>



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	<p>Class 3 (Cu): max. 250 ppm</p> <p>Class 3 (Sn): max. 600 ppm</p> <p>Class 1 (Cd): max. 0.5 ppm</p> <p>Class 2B (Au): max. 10 ppm</p> <p>Class 2B (Rh): max. 10 ppm</p> <p>Class 1 (Hg): max. 1.5 ppm</p> <p>Class 2A (V): max. 10 ppm</p> <p>Class 2A (Ni): max. 20 ppm</p> <p>Class 2B (Tl): max. 0.8 ppm</p> <p>Class 2B (Pt): max. 10 ppm</p> <p>Class 2B (Se): max. 15 ppm</p> <p>Class 2B (Ag): max. 15 ppm</p> <p>Class 3 (Sb): max. 120 ppm</p>
Hazard pictograms	 
UN:	1170
Class/PG:	3/II
ADR:	3/II
IMDG:	3/II
IATA:	3/II
WGK:	1
Storage:	RT
Signal Word:	Danger
GHS Symbols:	GHS02

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	GHS07
H Phrases:	H225 H319
P Phrases:	P210 P233 P241 P280 P305+P351+P338 P501
Molecular Formula:	CH ₃ CH ₂ OH
M:	46.07 g/mol
CAS:	64-17-5
EINECS:	200-578-6
CS:	22071000
Index Nr.:	603-002-00-5

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