

## Ethanol 96%

Chemical formula: C<sub>2</sub>H<sub>5</sub>OH

Molar mass: 46,07 g/mol

CAS: 64-17-5

EINECS: 200-578-6

### A.G. (70390)

Appearance	clear colourless liquid
Assay	min. 95,4 - 96,8 % (V/V)
Free acids (as CH <sub>3</sub> COOH)	max. 0,004 %
Residue after evaporation	max. 0,002 %
Density (20 °C)	0,8042 - 0,8098 g/cm <sup>3</sup>

### for UV (70391)

Appearance	clear colourless liquid
Assay	~ 96,0 % (V/V)
Residue after evaporation	max. 0,001 %
Free acids	max. 0,0005 meq/g
Free alkali	max. 0,0002 meq/g
Color scale (APHA)	max. 10
Infrared spectrometry	passes test
Substances reducing KMnO <sub>4</sub>	passes test
Refractive index	1,36
UV absorption at 210 nm	max. 0,50
UV absorption at 220 nm	max. 0,25
UV absorption at 230 nm	max. 0,15
UV absorption at 240 nm	max. 0,05
UV absorption at 250 nm	max. 0,03
UV absorption at 270 nm	max. 0,005

### tested acc. to Ph. Eur. (71430)

Appearance	clear colourless liquid
Identification A (relative density)	passes test
Identification B (IR spectrum)	passes test
Relative density	0,805 - 0,812
UV absorption at 240 nm	max. 0,40
UV absorption at 260 nm	max. 0,30
UV absorption at 340 nm	max. 0,10
Titration acid or base	max. 30 µg/ml (as CH <sub>3</sub> COOH)
Volatile impurities	passes test
Residue after evaporation	max. 25 µg/ml

Classification of the substance in accordance with Regulation (EC) No 1272/2008



Hazard statements: 319, 225

EUH statements:

Precautionary statements: 210, 233

Signal word: Danger

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ADR/RID: 3 /F1 /II

UN 1170