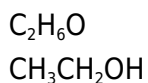


**PRODUCT CODE: 201085****Ethanol 96% v/v (F.C.C.) food grade**  
extraction solvent for industrial food use

M.= 46,07

CAS [64-17-5]

EINECS 200-578-6

TARIC 2207 10 00 90

**SYNONYMS:** Ethyl Alcohol**PHYSICAL DATA:** liquid, Clear, Colourless, Miscible with water and most of the solvents • D 20/4 0,805 • M.P.: -114,1 °C • B.P.: 78,5 °C • n<sub>20/D</sub> : 1,361 • Flash P.:14 °C • Ign. T.:~425 °C • Vap. press. (20 °C) 57,26 hPa • Viscosity 1,2 mPa.s • Expl. limit 2,5 %(V) 13,5 %(V) •**BIBLIOGRAPHY:** Merck Index **12**, 3.806 13, 3.795 Sax **EFU300** • Ullmann (**5.**)9 , 587 • Beilstein **1** , **IV** , **1289** • BRN 1718733 • ACS **XI** • BP.**2018** • USP **41** • Ph. Eur. **8.0** (2014) **9.0** (2017) • F.C.C **10 11** • Directive 88/344/E.C.E.92/115/E.C.E.94/52/EC97/60/EC (27/10/1997) 2009/32/CE • DAB 10, Royal Decree 472/1990 (6/4/1990) , 2667/1998 (11 /12/1998), 1101/2011 (22/7/2011), F. U. IX , 74, Ph.F. X , 15 •**HAZARDOUS:** C.E: 603-002-00-5 • RTECS: KQ 6300000 • LD50 oral rat 6.200 - 15.000 mg/kg / (OECD 401) • LC50 rat >50mg/m3 / (OECD 403) • VLA-ED 1.000 ppm1.920 mg/m3

H: H225 • H319 •

P: P210 • P233 • P240 • P241 • P242 • P501 • P243 • P280 • P303+P361+P353 • P370+P378 • P403+P235 • P264 • P305+P351+P338 • P337+P313 • P264 • P305+P351+P338 • P337+P313 •

**TRANSPORT REGULATIONS:** UN: 1170 • ADR: 3/II • IMDG: 3/II • IATA: 3/II • PAX: 353 • CAO: 364 • (D/E) •**WEIGHT/VOLUME INFORMATION:** 1l~0,805 kg 1kg~1,242 l**OBSERVATIONS:** May be subject to special tax. • Storage away from direct light, away from sources of ignition and

heat. Storage at temperature below 25°C. •

#### **SPECIFICATIONS:**

Assay (by volume) (equiv. to 92.3% w/w) , not less than	94,9%
Acidity(as CH <sub>3</sub> COOH), not more than	0,003%
Alkalinity (as NH <sub>3</sub> ), not more than	3 ppm
Non-volatile residue , not more than	0,003%
Darkened substances by H <sub>2</sub> SO <sub>4</sub>	passes test
Reducing substances of KMnO <sub>4</sub>	passes test
Fusel oil	passes test
Solubility in water	passes test
Ketones, 2-Propanol	passes test
Methanol	passes test
Arsenic, not more than	1 ppm
Lead, not more than	0,5 ppm

#### **Specifications Dir. 2009/32/CE, F.C.C. 11**

#### **For use in foodstuffs according to F.C.C.**

Ed.: 5 . Vig.: 23.09.2011 .

Prod.: 201085