

## ETHANOL, APPROX. 70%

ET0001 Ethanol 70% v/v



- Synonyms: Ethyl alcohol, Methylcarbinol, Spirit, Spirit of wine
- $C_2H_5OH$
- $M = 46,07 \text{ g/mol}$
- CAS [64-17-5]
- EINECS-No.: 200-578-6
- Density:  $0,89 \text{ g/cm}^3$
- Solub. in water: (20 °C): miscible
- Flash pt. 27 °C
- EC-Index-No.: 603-002-00-5
- ADR: 3 F1 III UN 1170
- IMDG: 3 III UN 1170
- IATA/ICAO: 3 III UN 1170
- GHS-signal word: Warning
- GHS-H sentences: H226
- GHS-P sentences: P210 - P241 - P280 - P240 - P303 + P361 + P353 - P501a
- Tariff number: 2208 90 99 11
- Applications: solvents, disinfectant, for pharmaceutical use, synthesis of organic products, perfumery.

assay (in volum) . . . . . 68 - 72 %  
 solubility in water . . . . . passes test  
 acidity . . . . . max. 0,0005 meq/g  
 alkalinity . . . . . max. 0,0005 meq/g  
 2-propanol, ketones. . . . . passes test  
 methanol . . . . . passes test  
 aldehydes (as  $CH_3CHO$ ). . . . . max. 0,005 %  
 fusel oil. . . . . passes test  
 substances reducing  $KMnO_4$  . . . . . passes test  
 substances darkened by  $H_2SO_4$  . . . . . passes test  
 residue on evaporation . . . . . max. 0,001 %  
 water (v/v) (K.F.) . . . . . 28 - 32 %

ART. NO.	VOLUME	CONTAINER
ET0001005P	5 l	
ET0001025P	25 l	
ET0001025S	25 l	

## ETHANOLAMINE



- Synonyms: 2-Aminoethanol, 2-Hydroxyethylamine, Monoethanolamine
- $C_2H_7NO$
- $M = 61,08 \text{ g/mol}$
- CAS [141-43-5]
- EINECS-No.: 205-483-3
- Density:  $1,02 \text{ g/cm}^3$
- Solub. in water: (20 °C): miscible
- Melting point:  $10,5 \text{ }^\circ\text{C}$
- Boiling point:  $171 \text{ }^\circ\text{C}$
- Flash pt.  $93 \text{ }^\circ\text{C}$
- Ignition temp.:  $410 \text{ }^\circ\text{C}$
- Vapour pressure: (20 °C)  $0,5 \text{ hPa}$
- Refraction index: (n 20 °C/D)  $1,4539$
- LD 50 (oral, rat):  $1720 \text{ mg/kg}$

- EC-Index-No.: 603-030-00-8
- ADR: 8 C7 III UN 2491
- IMDG: 8 III UN 2491
- IATA/ICAO: 8 III UN 2491
- GHS-signal word: Danger
- GHS-H sentences: H314 - H302 - H312 - H332 - H335 - H412
- GHS-P sentences: P260 - P280 - P303 + P361 + P353 - P304 + P340 - P305 + P351 + P338 - P310 - P405 - P501a
- Tariff number: 2922 11 00 00
- Applications: analytical chemistry, synthesis of organic products, for pharmaceutical use, emulsifier.
- Appearance: Clear liquid

ET0027 Ethanolamine, EssentQ®



assay (G.C.) . . . . . min. 98 %  
 identity (IR-spectrum) . . . . . passes test  
 density (20°/4°) . . . . . 1,016 - 1,019  
 residue on ignition . . . . . max. 0,01 %  
 water (K.F.) . . . . . max. 0,3 %

ART. NO.	VOLUME	CONTAINER
ET00271000	1 l	
ET00272500	2,5 l	

ET0028 Ethanolamine, ExpertQ®, for analysis, ACS



assay (G.C.) . . . . . min. 99,5 %  
 identity (IR-spectrum) . . . . . passes test  
 density (20°/4°) . . . . . 1,014 - 1,016  
 colour (Hazen) . . . . . max. 15  
 aluminium (Al) . . . . . max. 0,5 ppm  
 boron (B) . . . . . max. 0,02 ppm  
 barium (Ba) . . . . . max. 0,1 ppm  
 cadmium (Cd) . . . . . max. 0,05 ppm  
 calcium (Ca) . . . . . max. 0,5 ppm  
 chromium (Cr) . . . . . max. 0,02 ppm  
 cobalt (Co) . . . . . max. 0,02 ppm  
 copper (Cu) . . . . . max. 0,02 ppm  
 heavy metals (as Pb) . . . . . max. 5 ppm  
 iron (Fe) . . . . . max. 0,1 ppm  
 lead (Pb) . . . . . max. 0,1 ppm  
 magnesium (Mg) . . . . . max. 0,1 ppm  
 manganese (Mn) . . . . . max. 0,02 ppm  
 nickel (Ni) . . . . . max. 0,02 ppm  
 tin (Sn) . . . . . max. 0,1 ppm  
 zinc (Zn) . . . . . max. 0,1 ppm  
 diethanolamine (G.C.) . . . . . max. 0,1 %  
 triethanolamine (G.C.) . . . . . max. 0,1 %  
 water (K.F.) . . . . . max. 0,2 %

ART. NO.	VOLUME	CONTAINER
ET00281000	1 l	

A  
B  
C  
D  
E  
F  
G  
H  
I  
J  
K  
L  
M  
N  
O  
P  
Q  
R  
S  
T  
U  
V  
W  
X  
Y  
Z