

ET0015 Ethanol absolute, Multisolvant® HPLC grade ACS ISO UV-VIS



assay (G.C.) (v/v) min. 99,9 %
 identity (IR-spectrum) passes test
 density (20°/4°) 0,789 - 0,791
 appearance clear
 colour (Hazen) max. 10
 solubility in water passes test
 acidity max. 0,0002 meq/g
 alkalinity max. 0,0002 meq/g
 chlorides (Cl) max. 0,00003 %
 nitrates (NO₃) max. 0,00003 %
 phosphates (as PO₄) max. 0,00003 %
 sulfates (SO₄) max. 0,00003 %
 acetone (G.C.) max. 0,001 %
 benzene (G.C.) max. 0,0002 %
 isoamyl alcohol (G.C.) max. 0,05 %
 methanol (G.C.) max. 0,01 %
 methylethylketone (G.C.) max. 0,02 %

2-propanol (G.C.) max. 0,003 %
 carbonyl compounds (as CO) max. 0,03 %
 higher alcohols (G.C.) max. 0,01 %
 substances reducing KMnO₄ passes test
 substances darkened by H₂SO₄ passes test
 residue on evaporation max. 0,0004 %
 water (v/v) (K.F.) max. 0,1 %
 liquid chromatography suitability
 absorbance passes test
 min. transmission/max. absorbance in a 1,0 cm cell at
 wavelength T(%) A (AU)
 220 nm 55 % 0,260 AU
 230 nm 72 % 0,143 AU
 245 nm 90 % 0,046 AU
 270 nm 98 % 0,009 AU
 Microfiltered through membranes of pore diameter
 0,22 µm

ART. NO.	VOLUME	CONTAINER
ET00151000	1 l	
ET00152500	2,5 l	
ET00154000	4 l	
ET0015007E	7 l	
ET0015025S	25 l	
ET0015100S	100 l	

ET0010 Ethanol absolute, gradient HPLC grade



assay (G.C.) (v/v) min. 99,9 %
 identity (IR-spectrum) passes test
 density (20°/4°) 0,789 - 0,790
 acidity max. 0,0002 meq/g
 alkalinity max. 0,0002 meq/g
 residue on evaporation max. 0,0002 %
 water (v/v) (K.F.) max. 0,1 %

gradient grade (254 nm)
 maximum background absorbance: 0,02 AU
 maximum peak absorbance: 0,002 AU
 min. transmission/max. absorbance in a 1,0 cm cell at
 wavelength T(%) A (AU)
 205 nm 20 % 0,699 AU
 220 nm 50 % 0,301 AU
 245 nm 90 % 0,046 AU
 260 nm 98 % 0,009 AU
 Microfiltered through membranes of pore diameter
 0,22 µm suitable for UPLC

ART. NO.	VOLUME	CONTAINER
ET00101000	1 l	
ET00102500	2,5 l	
ET0010007E	7 l	
ET0010025S	25 l	
ET0010030S	30 l	

ET0032 Ethanol, standard substance for GC



assay 99,9 %
 over ramp 40°C, 5°C/min 120°C, 30°C/min 200 °C
 identity IR

ART. NO.	VOLUME	CONTAINER
ET00320005	5ml	

ET0011 Ethanol absolute, molecular biology grade

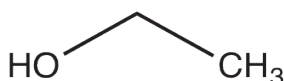


assay (G.C.) (v/v) min. 99,9 %
 identity (IR-spectrum) passes test
 appearance clear and colourless
 acidity max. 0,0002 meq/g
 alkalinity max. 0,0002 meq/g

heavy metals (as Pb) max. 1 ppm
 water (v/v) (K.F.) max. 0,1 %
 DNases, RNases, Proteases non detected

ART. NO.	VOLUME	CONTAINER
ET00110500	500 ml	
ET00111000	1 l	
ET00112500	2,5 l	

ETHANOL, APPROX. 96%



- Synonyms: Ethyl alcohol, Methylcarbinol, Spirit, Spirit of wine
- C₂H₅OH
- M = 46,07 g/mol
- CAS [64-17-5]
- EINECS-No.: 200-578-6
- Density: 0,81 g/cm³
- Solub. in water: (20 °C): miscible
- Melting point: -117 °C
- Boiling point: 78 °C
- Flash pt. 9 °C
- Ignition temp.: 425 °C
- Vapour pressure: (20 °C) ~ 59 hPa

- Dielectric const.: (25 °C) 24,3
- LD 50 (oral, rat): 6200 mg/kg (anhydrous substance)
- EC-Index-No.: 603-002-00-5
- ADR: 3 F1 II UN 1170
- IMDG: 3 II UN 1170
- IATA/ICAO: 3 II UN 1170
- GHS-signal word: Danger
- GHS-H sentences: H225
- GHS-P sentences: P210 - P241 - P280 - P240 - P303 + P361 + P353 - P501a
- Tariff number: 2207 10 00 90
- Applications: solvents, disinfectant, for pharmaceutical use, synthesis of organic products, perfumery.

ET0003 Ethanol 96% v/v, extra pure, Pharmapur®, Ph Eur, BP



assay (v/v) 95,1 - 96,9 %
 assay (w/w) 92,6 - 95,2 %
 identification passes test
 density (20°/20°) 0,805 - 0,812
 appearance clear and colourless
 acidity or alkalinity passes test
 absorbance in a 5,0 cm cell
 at 240 nm max. 0,40
 between 250 and 260 nm max. 0,30
 between 270 and 340 nm max. 0,10
 volatile impurities passes test

residue on evaporation max. 25 ppm
 Elemental impurities are analysed according to guideline CHMP/ICH/353369/2013.
 Residual solvents are analysed according to guideline CPMP/ICH/283/95.

ART. NO.	VOLUME	CONTAINER
ET00031000	1 l	
ET00032500	2,5 l	
ET0003005P	5 l	
ET0003007E	7 l	
ET0003010C	10 l	
ET0003025P	25 l	
ET0003025S	25 l	