









ET0004 Ethanol 96% v/v, ExpertQ®, for analysis, ACS, Reag. Ph Eur



assay (G.C.) (v/v) . . . . .	.95,1 - 96,9 %
identity (IR-spectrum) . . . . .	.passes test
density (20°/4°)	0,804 - 0,807
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 (NO ₃)	max. 0,00003 %
phosphates (as PO ₄)	max. 0,00003 %
sulfates (SO ₄)	max. 0,00003 %
aluminium (Al)	max. 0,5 ppm
antimony (Sb)	max. 0,02 ppm
arsenic (As)	max. 0,02 ppm
barium (Ba)	max. 0,1 ppm
beryllium (Be)	max. 0,02 ppm
bismuth (Bi)	max. 0,02 ppm
boron (B)	max. 0,02 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
gallium (Ga)	max. 0,02 ppm
gold (Au)	max. 0,02 ppm
indium (In)	max. 0,02 ppm
iron (Fe)	max. 0,1 ppm
lead (Pb)	max. 0,1 ppm

lithium (Li)	max. 0,02 ppm
magnesium (Mg)	max. 0,1 ppm
manganese (Mn)	max. 0,02 ppm
molybdenum (Mo)	max. 0,02 ppm
nickel (Ni)	max. 0,02 ppm
platinum (Pt)	max. 0,02 ppm
silver (Ag)	max. 0,02 ppm
thallium (Tl)	max. 0,02 ppm
tin (Sn)	max. 0,1 ppm
vanadium (V)	max. 0,02 ppm
zinc (Zn)	max. 0,1 ppm
zirconium (Zr)	max. 0,02 ppm
formaldehyde	max. 0,0005 %
furfural . . . . .	.passes test
fusel oil . . . . .	.passes test
acetaldehyde and acetal (G.C.)	max. 0,001 %
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 %
aldehydes (as CH ₃ CHO)	max. 0,001 %
carbonyl compounds (as CO)	max. 0,003 %
higher alcohols (G.C.)	max. 0,01 %
substances darkened by H ₂ SO ₄ . . . . .	.passes test
substances reducing KMnO ₄ . . . . .	.passes test
residue on evaporation	max. 0,0005 %
water (v/v) (K.F.)	3,1 - 4,9 %




ART. NO.	VOLUME	CONTAINER
ET00041000	1 l	
ET00042500	2,5 l	
ET0004005P	5 l	
ET0004007E	7 l	
ET0004025A	25 l	
ET0004025P	25 l	
ET0004025S	25 l	
ET0004030S	30 l	

ET0013 Ethanol 96% v/v, Multisolvant® HPLC grade ACS UV-VIS



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identity (IR-spectrum)passes test
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appearance	clear
colour (Hazen)	max. 10
acidity	max. 0,0002 meq/g
alkalinity	max. 0,0002 meq/g
chlorides (Cl)	max. 0,00003 %
nitrates (NO ₃)	max. 0,00003 %
phosphates (as PO ₄)	max. 0,00003 %
sulfates (SO ₄)	max. 0,00003 %
aluminium (Al)	max. 0,1 ppm
antimony (Sb)	max. 0,02 ppm
arsenic (As)	max. 0,02 ppm
barium (Ba)	max. 0,01 ppm
beryllium (Be)	max. 0,02 ppm
bismuth (Bi)	max. 0,02 ppm
boron (B)	max. 0,02 ppm
cadmium (Cd)	max. 0,01 ppm
calcium (Ca)	max. 0,3 ppm
chromium (Cr)	max. 0,02 ppm
cobalt (Co)	max. 0,02 ppm
copper (Cu)	max. 0,02 ppm
gallium (Ga)	max. 0,02 ppm
gold (Au)	max. 0,02 ppm
indium (In)	max. 0,02 ppm
iron (Fe)	max. 0,02 ppm
lead (Pb)	max. 0,1 ppm
lithium (Li)	max. 0,02 ppm
magnesium (Mg)	max. 0,1 ppm
manganese (Mn)	max. 0,02 ppm
molybdenum (Mo)	max. 0,02 ppm
nickel (Ni)	max. 0,02 ppm
platinum (Pt)	max. 0,02 ppm
silver (Ag)	max. 0,02 ppm

thallium (Tl)	max. 0,02 ppm
tin (Sn)	max. 0,1 ppm
titanium (Ti)	max. 0,02 ppm
vanadium (V)	max. 0,02 ppm
zinc (Zn)	max. 0,01 ppm
zirconium (Zr)	max. 0,02 ppm
formaldehyde	max. 0,0005 %
furfural . . . . .	.passes test
fusel oil . . . . .	.passes test
acetaldehyde and acetal (G.C.)	max. 0,001 %
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. 0,002 %
2-propanol (G.C.)	max. 0,003 %
aldehydes (as CH ₃ CHO)	max. 0,001 %
carbonyl compounds (as CO)	max. 0,003 %
higher alcohols (G.C.)	max. 0,01 %
substances reducing KMnO ₄ . . . . .	.passes test
substances darkened by H ₂ SO ₄ . . . . .	.passes test
residue on evaporation	max. 0,0002 %
water (v/v) (K.F.)	3,1 - 4,9 %
liquid chromatography suitability	
absorbance . . . . .	.passes test
min. transmission/max. absorbance in a 1,0 cm cell at	
wavelength	T(%) A (AU)
210 nm . . . . .	.35 % 0,456 AU
220 nm . . . . .	.55 % 0,260 AU
230 nm . . . . .	.72 % 0,143 AU
250 nm . . . . .	.90 % 0,046 AU
270 nm . . . . .	.98 % 0,009 AU
Microfiltered through membranes of pore diameter	
0,22 µm	

ART. NO.	VOLUME	CONTAINER
ET00131000	1 l	
ET00132500	2,5 l	
ET0013007E	7 l	
ET0013025S	25 l	