

## Ethanol (All Grades) 99.9%

Test Description	Specification Limits		Unit of Measure	Test Method
	Min	Max		
Ethanol	99.9		% vol @ 20°C	OIML
Water		0.1	% (w/w)	BS 2511
Acidity, as Acetic acid		0.001	% (w/w)	BP Method
Total Carbonyls, as Acetaldehyde		0.001	% (w/w)	BS 6392/2; ISO 1388/3
Aldehydes, as Acetaldehyde		0.001	% (w/w)	BP Method
Alkanility		Nil		
Density in Vacuum@20°C	.7892			ASTM D4052
Colour		10	Pt/Co	BS 5339, ISO 2211
Permanganate Time	20			BS 6392/9, ISO 1388/12
Residue on Evaporation		0.002	% (w/w)	BS 4524:1983 ISO 759/1981
Water Miscibility	Complete			BS 6392/5

## Ethanol (All Grades) 96%

Test Description	Specification Limits		Unit of Measure	Test Method
	Min	Max		
Ethanol	96		% vol @ 20°C	OIML
Water		6.15	% (w/w)	BS 2511
Acidity, as Acetic acid		20	g/m <sup>3</sup>	
Total Carbonyls, as Acetaldehyde		30	g/m <sup>3</sup>	
Aldehydes, as Acetaldehyde		4	g/m <sup>3</sup>	
Methyl Alcohol		50	g/m <sup>3</sup>	
Higher Alcohols (Komarowski)		5	g/m <sup>3</sup>	
Furfural		5	g/m <sup>3</sup>	
Benzene		Nil	Absent	
Permanganate Time (Barbet)	25			
Water Miscibility	Complete			BS 6392/5