

## Certificate of quality Grain ethyl alcohol

Customer:

Car/Wagon No.:

Parameters	Unit	Value	
		Reference	Analyzed
Concentration at 20°C	% (V/V)	min. 99,8	99,96
Water content	%	max. 0,300	0,058
Higher alcohols (C3-C5)	% (m/m)	max. 2,0	0,029
Methanol	% (m/m)	max. 1,0	0,009
Free acids (acetic acid)	% (m/m)	max. 0,007	0,004
Chlorine (anorg.)	mg/kg	max. 6,0	<1,0
Copper	mg/kg	max. 0,1	<0,013
Sulphur	mg/kg	max. 10,0	<1,0
Phosphors	mg/l	max. 0,15	<0,1
Sulphates	mg/kg	max. 4,0	<2,0
Residue at 105°C	mg/100ml	max. 10,0	<2,0
Density at 20°C	g/cm <sup>3</sup>	max. 0,7903	0,78947
Conductivity	uS/cm	max. 2,5	0,10
Appearance		Clear and bright	Clear and bright

Method of analysis of undenatured ethanol: according to ČSN EN 15376

Registration No. of ISCC: DE-B-BLE-BM-10-120-10150012

EU-ISCC-Cert-DE120-10150009

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