

	QUALITY SPECIFICATION		IKD: II.– ŠpK – 08e
	ENVIROL 07 dehydrated bioethanol STN EN ISO 9001:2001 – čl. 8.2.4		Issue: 4.
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Product description: anhydrous ethanol produced by fermentation of corn

Purpose of use: strictly for technical purpose, in petrochemical industry as a fuel additive

Raw material for production: grain of corn (*Zea mays L.*) meant for bioethanol and DDGS production. Quality of corn must meet the requirements of the company standard PN 01-2006 Corn. Technical and quality parameters of material meant for bioethanol and DDGS production.

Quality requirements

Bioethanol must meet the requirements listed in the table:

Characteristic	Unit	Standard	Limit	
			max	min
Appearance	-	-	Clear and colourless	
Density 20°C	g/cm ³	EN ISO 12185	0,79	-
Sulphur	wt ppm	EN ISO 20846	1,0	-
Water	wt ppm	EN ISO 12937	1000	-
Aldehyde content	wt ppm	ASTM D 2119	500	-
Iron content	wt ppm	ICP method	0,1	-
Chlorine content	wt ppm	EN 14077	1,0	-
Acidity as acetic acid	wt ppm	ASTM D 1613	10	-
Alcalinity as NH₃	wt ppm	ASTM D 1614	1,0	-
Methanol content	% w/w	ASTM D 5501	0,5	-
Cation content	wt ppm	ICP method	3,0	-
Ethanol content	% w/w	ASTM D 5501 SP 107	-	99,3
Other higher alcohols	% w/w	ASTM D 5501	0,5	-
Esters content	wt ppm	SP 107	500	-
Evaporation residue	wt ppm	ASTM D 1353	50	-
Copper content	mg/kg	pr.EN 15488	0,1	-
Anorganic chlorine	mg/l	EN 14077	0,5	-
Phosphor contain	mg/l	pr.EN 15487	0,5	-
pH	-	IP 2.11	9,0	6,5

Material safety data sheet: contains all data and information about this chemical, manipulation, storage, transport, identification, first aid etc.

Vyplňuje sa len v prípade zmeny

Zmena č.:	Dátum účinnosti zmeny:	Overil:
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