

	<b>QUALITY SPECIFICATION</b>		<b>IKD:</b> <b>II.- ŠpK – 08e</b>
	<b>ENVIROL 07</b> <b>dehydrated bioethanol</b>		<b>Issue: 5.</b>
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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**

The product meets the quality limits in the table below:

Characteristic	Unit	Standard	Limit	
			max	min
<b>Appearance</b>	-	STN EN 15769	Clear and colourless	
<b>Density 20°C</b>	g/cm <sup>3</sup>	EN ISO 12185	0,79	-
<b>Sulphur</b>	mg/kg	EN ISO 20846	10	-
<b>Water</b>	%(v/v)	STN EN 15489	0,3	-
<b>Aldehyde content</b>	mg/kg	SPP – KP -22	500	-
<b>Sulphate content</b>	mg/kg	EN 15492	3,0	-
<b>Acidity as acetic acid</b>	%(m/m)	EN 15491	0,0070	-
<b>Alcalinity as NH<sub>3</sub></b>	mg/kg	ASTM D 1614	1,0	-
<b>Methanol content</b>	%(m/m)	SPP – KP -49	1,0	-
<b>Alcohol content</b>	% v/v	EN ISO 12185	-	99,7
<b>Other higher alcohols</b>	%(m/m)	SPP – KP -49	2,0	-
<b>Esters content</b>	mg/kg	SPP – KP -49	500	-
<b>Content of non-volatile substances</b>	mg/100 ml	STN EN 15691	10	-
<b>Copper content</b>	mg/kg	EN 15488	0,1	-
<b>Anorganic chlorine</b>	mg/l	EN 15492	1,5	-
<b>Phosphor contain</b>	mg/l	EN 15487	0,5	-
<b>Conductivity</b>	μS/cm	EN 15938	2,5	-
<b>pH</b>	-	IP 2.11	9,0	6,5

Vyplňuje sa len v prípade zmeny

<b>Zmena č.:</b>	<b>Dátum účinnosti zmeny:</b>	<b>Overil:</b>
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