



**BIODIZEL  
VUKOVAR**  
Member of Envien Group



## Quality specification of degummed rapeseed oil

No. 2015-0001

Product name: Degummed rapeseed oil			Date: 2015.	
No.	Parameter	Measuring units	Limit values	Method
1.	Appearance		Clear, yellow	visually
2.	Density at 20°C	kg/m <sup>3</sup>	900 - 930	EN ISO 3675
3.	Acid number	max. mg KOH/g	2	EN 14104
4.	Kinematic viscosity at 40°C	mm <sup>2</sup> /s	30 - 42	EN ISO 3104
5.	Free fatty acid content (FFA)	max. %, m/m	1	ISO 660
6.	Water content (Karl Fischer-coulometric)	max. mg/kg	1000	EN ISO 12937
7.	Refractive index at 20°C	20°C	1,4670 – 1,4780	EN ISO 6320
8.	Saponification number	mg KOH/g	185 - 200	EN ISO 3657
9.	Phosphorus content (P)	max. mg/kg	15	EN 14107
10.	Impurities content	max. mg/kg	500	EN12662
11.	Iodine number	g J/100 g	105-120	EN 14111
12.	Non-Saponifiable Matters	max. %, m/m	0,5	ASTM D1965-87
13.	Peroxide number	max. mmol O <sub>2</sub> /kg	2	EN ISO 27107
14.	Flash point, min.Cleveland	min. °C	220	ASTM D92
15.	Content of Eruca acid (C22:1)	max. %, m/m	2	EN 14103
16.	Content I group metals (Na + K)	max. mg/kg	5	EN 14538
17.	Content II group metals (Ca + Mg)	max. mg/kg	5	EN 14538

\* Valid for clear degummed rapeseed oil

In Vukovar, \_\_\_\_\_.

Laboratory manager  
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IBAN: HR9724840081103787696 ; Company ID: 25923991936 ; MB: 2069474 ; Register of Commercial Court in Osijek,

MBS: 30087197 ; The share capital: 29.048.000,00 HRK fully paid and consists of one share.

Board Members: Robert Spišák, President ; Zoltan Hegyi, Member ; Hrvoje Merki, procurator ;

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