



**REPORT OF ANALYSIS No. 325431/16/JSHR**

Client <b>DACHIM SRL</b> STR. GHEORGHE LAZĂR 11 401077 TURDA	Sample description (according to declaration of Client) <b>OLOI TOMNIT DE ADI HADEAN</b> <b>VEGETABLE OIL</b>  <b>Lot no: RFS001</b> <b>Lot quantity: 10000l</b> <b>Sample quantity: 1 l</b> <b>Production date: 20.09.2016</b> <b>Expiration date: 20.09.2018</b>  <b>Sample condition with no objections</b>
Sample received: <b>2016-09-30</b>	<b>Order of 2016-09-30</b> The samples were delivered by Client
Analysis completed: <b>2016-10-12</b>	
Report dated: <b>2016-10-12</b>	

Test	Method	Unit	Result
* Protein (N*6,25)	PB-116 ed. II of 30.06.2014	%	0,3
Dietary fiber	AOAC 991.43:1994	%	<0,5
Total sugars after inversion	PN-A-79011-5:1998	%	<0,2
* Peroxide value	PN-EN ISO 3960:2012	meq O <sub>2</sub> /kg	9,3
Ash	ISO 6884:1985	%	0,03
Total fatty matter	BS 684-2.4:1976	%	99,9
Energy value	Regulation (EU) No 1169/2011 of the European Parliament and of the Council of 25 October 2011		
Carbohydrates	Regulation (EU) No 1169/2011 of the European Parliament and of the Council of 25 October 2011	%	<0,1
* Moisture and volatile matter	PN-EN ISO 662:2001	%	0,12
* Insoluble impurities	PN-EN ISO 663:2009	%	<0,01
* Fatty acids profile <sup>1)2)</sup>	PN-EN ISO 12966-1:2015-01, PN-EN ISO 12966-2:2011 except p.4.3 and 4.5		
C4:0 butyric acid		g/100 g	< 0,1
C6:0 caproic acid		g/100 g	< 0,1
C8:0 caprylic acid		g/100 g	< 0,1
C10:0 capric acid		g/100 g	< 0,1
C12:0 lauric acid		g/100 g	< 0,1
C14:0 myristic acid		g/100 g	< 0,1
C15:0 pentadecanoic acid		g/100 g	< 0,1
C16:0 palmitic acid		g/100 g	5,4
C17:0 margaric acid		g/100 g	< 0,1
C18:0 stearic acid		g/100 g	2,2
C20:0 arachidic acid		g/100 g	0,4
C22:0 behenic acid		g/100 g	0,4
C24:0 lignoceric acid		g/100 g	0,1
C14:1 myristoleic acid		g/100 g	< 0,1
C16:1n7 palmitoleic acid		g/100 g	0,2
C16:1 (sum of)		g/100 g	0,2
C17:1 margaroleic acid		g/100 g	< 0,1
C18:1n9 trans elaidic acid		g/100 g	< 0,1
C18:1n9 oleic acid		g/100 g	52,7
C18:1 (sum of)		g/100 g	55,1
C20:1n9 eicosenoic acid		g/100 g	0,9
C20:1 (sum of)		g/100 g	0,9
C22:1n9 erucic acid		g/100 g	< 0,1

Authorized by: Hanna Kubiak, Specialist analyst, Gas Chromatography Laboratory  
Katarzyna Szpinda, Senior Expert Analyst, Spectroscopy Laboratory  
Monika Krywienko, Specialist Analyst, Classical Analysis Laboratory  
Approved by: Hanna Wachowska, Laboratory Director (Approved with electronic signature)

Laboratory: Gdynia 81-571, Chwaszczyńska 180

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\* Test method accredited # Test performed by subcontractor





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C22:1 (sum of)		g/100 g	< 0,1
C24:1n9 nervonic acid		g/100 g	< 0,1
C18:2 trans (sum of)		g/100 g	< 0,1
C18:2n-6 linoleic acid (LA)		g/100 g	29,5
C18:2 (sum of)		g/100 g	29,5
C18:3n-3 α-linolenic acid (ALA)		g/100 g	5,6
C18:3n-6 γ-linolenic acid (GLA)		g/100 g	< 0,1
C18:3 (sum of)		g/100 g	5,6
C18:4 n3 stearidonic acid (SDA)		g/100 g	< 0,1
C20:2n-6 eicosadienoic acid		g/100 g	< 0,1
C20:3 n-3 eicosatrienoic acid (ETE)		g/100 g	< 0,1
C20:3n-6 dihomo-γ-linolenic acid		g/100 g	< 0,1
C20:4n-3 eicosatetraenoic acid (ETA)		g/100 g	< 0,1
C20:4n-6 arachidonic acid (ARA)		g/100 g	< 0,1
C20:5n-3 eicosapentaenoic acid (EPA)		g/100 g	< 0,1
C22:2n-6 docosadienoic acid		g/100 g	< 0,1
C22:5n-3 docosapentaenoic acid (DPA)		g/100 g	< 0,1
C22:6n-3 docosahexaenoic acid (DHA)		g/100 g	< 0,1
Other fatty acids		g/100 g	< 0,1
Total saturated fatty acids (SAFA)		g/100 g	8,6
Total monounsaturated fatty acids (MUFA)		g/100 g	56,2
Total polyunsaturated fatty acids (PUFA)		g/100 g	35,1
Total trans fatty acids		g/100 g	< 0,1
Total Omega-3 fatty acids		g/100 g	5,6
Total Omega-6 fatty acids		g/100 g	29,5
Total Omega-9 fatty acids		g/100 g	53,6
Essential Fatty Acids (EFA)		g/100 g	35,1
Sodium	PB-19/ICP ed. IV of 17.08.2015	g/100 g	< 0,01
Sodium chloride (Na x 2,5)	calculated	g/100 g	< 0,02

<sup>1)</sup> Results of individual sums unsaturated fatty acids do not include content of trans fatty acids.

<sup>2)</sup> Reported EFA include: C18:2n6, C18:3n6, C20:2n6, C20:3n6, C20:4n6, C22:2n6, C18:3n3, C18:4n3, C20:3n3, C20:4n3, C20:5n3, C22:5n3, C22:6n3.

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