



Vedlejší 365/5, 735 42 TĚRLICKO, CZECH REPUBLIC

REG. nr.: 640 85 180, VAT nr.: CZ64085180

Tel: +420 554 141 441

E-mail: info@grandegastro.cz , http:// www.grandegastro.cz

RS ENGINEERING s.r.o. is registered in the Commercial Register of the Regional Court in Section C, Inset 8677.

Hereby we guarantee as that the refined sunflower oil with production date XXX and revelant batch number has quality parameters that are in full accordance with the quality standard of the European legislation. It is fit for human consumption and it is produced under Good hygiene practices. The used PET bottles are fully suitable for food packing.

We hereby confirm that the refined sunflower oil does not contain any genetically modified organisms and it is free from nuclear beam.

Product:	Refined sunflower oil in PET bottle
Size PET :	1L , 1,8 , 5L , 10L
Customer:	XXX
Invoice number:	XXX
Container number:	xxx
Quantity L:	xxx
Country of Origin:	BULGARIA
Shelf Life:	1 Year

QUALITY CERTIFICATE NON GMO and NON RADIOACTIVITY CERTIFICATE

Product:

REFINED SUNFLOWER OIL GRANDE

Approved:

RS ENGINEERING, ST.C ENGINEERING 735 42 Horní Térlicko č. 36. IČO: 640 85 IBO DIČ: CZ64085IBI





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Parameter	Threshold			
Acid value	<0.20 mg KOH/g Oil			
Peroxide number	< 5 meq O2/kg			
Moisture and volatile matter	≤0.05%			
Non soluble in petroleum ether substances	≤0.01%			
Soaps	Non detectable			
Residual Solvent	Non detectable			
Aflatoxin B1	≤1ug/kg			
Dimethoate	≤0.01mg/kg			
Diquat	≤0.05mg/kg			
Fenthion	≤0.01mg/kg			
Haloxyfop	≤0.01mg/kg			
Haloxyfop-P-methyl	≤0,01mg/kg			
Proicimidone	≤0,01mg/kg			
Chlordane	≤0.01mg/kg			
Benzo(a)pyrene	≤0,5 ug/kg			
Lead (Pb)	≤0.05 mg/Kg			
Arsenic (As)	≤0.05 mg/Kg			





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Copper (Cu)	≤0.05 mg/Kg				
Refractive index	1,467 – 1.469				
Iodine number	110 – 145				
Saponification number	188 – 194 mg/g				
Myristic Acid C 14:0	0.5 max (%)				
Palmitic Acid C 16:0	3.0 – 10.0 (%)				
Palmitoleic Acid C 16:1	1.0 max (%)				
Stearic Acid C 18:0	1.0 – 10.0 (%)				
Oleic Acid C 18:1	14.0 – 35.0 (%)				
Linoleik Acid C 18:2	18.7 – 74.0 (%)				
Linolenik Acid C 18:3	0.5 max (%)				
Arachidic Acid C 20:0	1.0 max (%)				
Gondoic Acid C 20:1	0.5 max (%)				
Behenik Acid C 22:0	1.0 max (%)				
Unsaponifiables	<10 g/Kg				
Color number Iodine Scale	<10				





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E.coli	0 Cfu/100g				
Total plate count	< 10 Cfu/g				
Yeasts / moulds	< 10 Cfu/g				
	< 10 Cfu/g				
Enterobacteriaceae	< 10 Cfu/ml				
Specific Weight (25°C)	g/cM3 0.915 - 0.920				
Clear and brilliant at 25°C	Rancid odor - Taste Negative				





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Nutritional values [unit]	GDA (Guideline daily amounts) Based on CIAA recommendations	Average per 100 g/ml	% GDA	Average per portion	% GDA
Energetic values [in kcal]	2000 kcal	828	41%	124	6%
Energetic values [in kJ]		3404		511	
Proteins [g]	50 g	0	0	0	0
Carbohydrate [g]	270 g	0	0	0	0
of what sugars [g]	90 g	0	0	0	0
Fats [g]	70 g	92	131%	13.8	20%
of what saturated [g]	20 g	11	55%	1.7	8%
of what mono- unsaturated (optional) [g]		24		3.6	11%
of what poly- unsaturated (optional) [g]		57		8.6	53%
of what trans fatty acids (optional) [g]		0	0	0	0
Food fibre [g]	25 g	0	0	0	0
Sodium [g]	2.4 g	0	0	0	0
Cholesterol [g]	0	0	0	0	0
Salt = Sodium x 2.5 (optional) [g]	6 g	0	0	0	0