

PRODUCT SPECIFICATION

Rapeseed Oil for Deep Frying Refined, Deodorized, Bleached

In-house laboratory certified by the “Kirovograd Standart Metrology” State Testing Center

Approval Certificate No. 21/25 issued 01.07.2025, expires 30.06.2028

Product Name	Vegetable Oil —Rapeseed Oil for Deep Frying Refined, Deodorized, Bleached	
Ingredients	100% pure rapeseed oil, antifoaming agent E900, antioxidants E320/321	
Product description:	Physically refined edible oil of vegetable origin obtained from rapeseeds by pressing and extraction. The oil is bleached and deodorized.	
Manufacturer’s/Packager’s name and address:	2, Vysotskoho str., Vlasivka, Oleksandriyskyi district, Kirovohradska oblast, 27552 Ukraine	
Primary packaging:	PET bottle, plastic canister, PE cap	
Secondary packaging:	corrugated cardboard box (when applicable)	
Storage and transport requirements:	To be stored in places protected from precipitation fallout and sunlight	
Shelf life:	24 months from the date of bottling, if stored in a dark indoor area within the recommended temperature range from 8°C to 20°C	
Regulatory reference:	Quality of the product is in compliance with the requirements of DSTU 8175:2015 "Rapeseed Oil. Specifications" (Ukrainian national standard)	
Application purpose:	Refined rapeseed oil is used for frying, hot cooking, and hot/cold salad-dressing	
Use and application:	This product is fit for direct human consumption.	
Sensory characteristics:		
Appearance, color:	Clear oily liquid of a slightly yellowish color, without sediment	
Taste:	Neutral, free from any foreign taste	
Odor:	Neutral, free from any foreign odors	
Nutrition Value, per 100g		
Total Fat:	99.85g	
Energy Value:	899kCal/3696kJ	
Physical and chemical properties:		
Test item name and unit	Reference Value	Tested Value*
Color number, mg iodine, not more than	10	1.1
Acid number, mg KOH/g, not more than	0.40	0.04...0.06
Peroxide number, ½ O mmol/kg, not more than	10	0.40...0.60
Content of phosphoric substances in terms of stearooleocithin, % by weight, not more than	0.05	not detected
Non-fat impurity content, % by weight, not more than	none	not detected
Moisture and volatiles content, % by weight, not more than	0.15	0.05...0.10
Wax and wax-like substances	none	not detected
Soap (quality test)	none	not detected
Mass fraction of erucic acid, %:	1.5	0.1
Flash point of extraction oil °C, min	240	245
Antioxidants (E320/E321), g/100g	0.05	0.02
Antifoaming agent (E900), mg/kg, not more than	10	5-8
Heavy metals by weight, mg/kg, not more than:		
	Reference Value	Tested Value*
Lead (Pb)	0.10	0.063
Cadmium (Cd)	0.05	0.0237
Arsenic (As)	0.10	not detected

Mercury (Hg)	0.03	not detected
Copper (Cu)	0.50	0.231
Zinc (Zn)	5.00	3.383
Iron (Fe)	5.00	1.644
Residual pesticides by weight, mg/kg, not more than:	Reference Value	Tested Value*
DDT	0.10	< 0.05
Hexachlorane (HCCl ₄ , hexachlorocyclohexane)	0.05	< 0.05
Heptachlor mg/kg	0	not detected
Chlorpyrifos, mg/kg	0	<0.005
Chlorpyrifos-methyl, mg/kg	0	<0.005
Mycotoxins by weight, mg/kg, not more than:		
	Reference Value	Tested Value*
Aflatoxin B1	0.005	< 0.001
Zearalenone	1.0	< 0.04
Radionuclides, Bq/kg		
	Reference Value	Tested Value*
Caesium-137 (Cs-137)	< 100	10.2
Strontium-90 (Sr-90)	< 30	4.72
Other		
Trans fatty acids, %	< 1.0	0.48
Benzo(a)pyrene content by weight, µg/kg	< 2.0	0.5
Genetically modified organisms (GMO)		
Target sequence of cp4 EPSPS	< 0.01%	not detected
Target sequence of Pat	< 0.01%	not detected
Target sequence of Bar	< 0.01%	not detected
Fatty acid composition, %	Reference Value	Tested Value*
C 16:0 Palmitic acid	2.5 – 6.0	4.84
C 16:1 Palmitoleic acid	<0.6	<0.1
C 18:0 Stearic acid	0.8 – 2.5	1.74
C 18:1 Oleic acid	50.0 – 65.0	60.77
C 18:2 Linoleic acid	18.0 – 20.0	19.44
C 18:3 alpha-Linolenic acid	6.0-14.0	7.79
C 20:0 Arachidic acid	0.1 – 1.2	0.59
C 20:1 cis Eicosenoic acid	0.1 – 4.3	1.20
C 22:0 Behenic acid	<0.6	<0.1

*This is a reference product specification. The actual tested values may vary slightly from batch to batch. The actual tested values for each individual consignment of this product will be given in respective quality documents issued for that consignment at the time of shipping.

