



## Product specification – Edible Vegetable Oil

### Refined Deodorized Soybean Oil

In-house laboratory certified by the “KirovogradStandartMetrology” State Testing Center  
Approval Certificate No. 21/25 issued 01.07.2025, expires 30.08.2028

<b>Product Name</b>	<i>Soybean oil, refined, deodorized</i>
<b>Ingredients</b>	<i>100% pure Soybean oil, refined, deodorized</i>
<b>Product description:</b>	<i>Refined, deodorized soybean vegetable oil extracted from the seeds of the soybean (Glycine max).</i>

<b>Place of manufacture:</b>	Ukraine
<b>Primary Packaging</b>	PET bottle, PE cap
<b>Secondary packaging:</b>	corrugated cardboard box
<b>Storage and transport requirements:</b>	<i>To be stored and protected from fallout and sunlight</i>
<b>Shelf life:</b>	<i>24 month from the date of production, if stored in sealed darkened room, in the recommended temperature range from + 8°C to +25°C</i>
<b>Regulatory reference:</b>	<i>Quality of the product is in compliance with the requirements of DSTU 4534:2006 "Soybean Oil. Specifications" (Ukrainian national standard)</i>

**Sensory characteristics:**

<b>Appearance, color:</b>	Clear oily liquid of a brown or slightly green color, without sediment
<b>Taste:</b>	Neutral, free from any foreign taste
<b>Odor:</b>	Neutral, free from any foreign odors

**Physical and chemical properties:**

<i>Test item name and unit</i>	<i>Reference Value</i>	<i>Tested Value*</i>
Color number, mg iodine, not more than	10.0	3
Acid number, mg KOH/g, not more than	0.40	0.15 – 0.25
Peroxide number, ½ O mmol/kg, not more than	10.0	0.55 – 1.0
Content of phosphoric substances in terms of stearooleocithin, % by weight, not more than	none	none
Non-fat impurity content, % by weight, not more than	none	none
Moisture and volatiles content, % by weight, not more than	0.10	0.02.- 0.03
Soap (quality test)	none	none

\* 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.



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(continued)

<b>Heavy metals by weight, mg/kg, not more than:</b>		
	<i>Reference Value</i>	<i>Tested Value*</i>
Lead (Pb)	0.10	0.0640
Cadmium (Cd)	0.05	0.0209
Arsenic (As)	0.10	< 0.0800
Mercury (Hg)	0.03	0.0080
Copper (Cu)	0.50	0.3150
Zinc (Zn)	5.00	1.8460
Iron (Fe)	5.00	0.4190
<b>Residual pesticides by weight, mg/kg, not more than:</b>		
	<i>Reference Value</i>	<i>Tested Value*</i>
DDT	0.10	< 0.05
Hexachlorane (HCCH, hexachlorocyclohexane)	0.05	< 0.05
Heptachlorine	0	none detected
<b>Mycotoxins by weight, mg/kg, not more than:</b>		
	<i>Reference Value</i>	<i>Tested Value*</i>
Aflatoxin B1	0.005	< 0.001
Zearalenone	1.0	< 0.04
<b>Radionuclides, Bq/kg</b>		
	<i>Reference Value</i>	<i>Tested Value*</i>
Caesium-137 (Cs-137)	< 30	12.0
Strontium-90 (Sr-90)	< 100	5.81
<b>Genetically modified organisms (GMO)</b>		
35S+FMV promotor target sequence (PCR Real-Time)	< 0.1%	none detected
NOS-terminator target sequence (PCR Real-Time)	< 0.1%	none detected
<b>Fatty acid composition, %</b>		
	<i>Reference Value</i>	<i>Tested Value*</i>
C 16:0	7.0 – 13.0	7.9
C 18:0	2.0 – 6.0	3.9
C 18:1	18.0 – 30.0	27.5
C 18:2	44.0 – 62.0	60.2
C 18:3	4.0 – 11.0.	6.2

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