

PRODUCT SPECIFICATION

Soybean Oil for Deep Frying Refined, Deodorized

In-house laboratory certified by the "Kirovograd Standard Metrology" State Testing Center Approval Certificate
No. 21/25 issued 01.07.2025, expires 30.06.2028

Product Name	Soybean Oil for Deep Frying Refined, Deodorized	
Ingredients	100% pure Soybean oil, antifoaming agent E900, antioxidants E 320, E321.	
Product description:	Refined, deodorized soybean vegetable oil extracted from seeds of the soybean (Glycine max).	
Primary Packaging	PET bottle, PE cap	
Secondary packaging:	corrugated cardboard box	
Storage and transport requirements:	To be stored and protected from fallout and sunlight	
Shelf life:	24 month from the date of production, if stored in sealed darkened room, in the recommended temperature range from + 8°C to +25°C	
Regulatory reference:	Quality of the product is in compliance with the requirements of DSTU 4534:2006 "Soybean Oil. Specifications" (Ukrainian national standard)	
Sensory characteristics:		
Appearance, color:	Clear oily liquid of a brown or slightly green color, without sediment	
Taste:	Neutral, free from any foreign taste	
Odor:	Neutral, free from any foreign odors	
Additives and Processing Aids:		
Additive Name:	Akasil® ADP 100	
E Number	E900	
Function	Antifoaming Agent	
Concentration	8 mg/kg	
Physical and chemical properties:		
Test item name and unit	Reference Value	Tested Value*
Color number, mg iodine, not more than	10.0	1
Acid number, mg KOH/g, not more than	0.40	0.6
Peroxide number, ½ Î mmol/kg, not more than	10.0	0.40
Content of phosphoric substances in terms of stearooleolecithin, % 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	0.03
Soap (quality test)	none	none
Smoke point for soybean oil with E900 °C	-	240
Heavy metals by weight, mg/kg, not more than:		
	Reference Value	Tested Value*
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
Residual pesticides by weight, mg/kg, not more than:		
	<i>Reference Value</i>	<i>Tested Value*</i>
DDT	0.10	< 0.05
Hexachlorane (HCCH, hexachlorocyclohexane)	0.05	< 0.05
Heptachlorine	0	none detected
Mycotoxins by weight, mg/kg, not more than:		
	<i>Reference Value</i>	<i>Tested Value*</i>
Aflatoxin B1	0.005	< 0.001
Zearalenone	1.0	< 0.04
Radionuclides, Bq/kg		
	<i>Reference Value</i>	<i>Tested Value*</i>
Caesium-137 (Cs-137)	< 30	12.0
Strontium-90 (Sr-90)	< 100	5.81
Genetically modified organisms (GMO)		
35S+FMV promotor target sequence (PCR Real-Time)	< 0.1%	none detected
NOS-terminator target sequence (PCR Real-Time)	< 0.1%	none detected
Fatty acid composition, %		
	<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

*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.

