

PRODUCT SPECIFICATION

Product:	Soybean oil, refined, deodorized
Ingredients:	100% pure Soybean oil, refined, deodorized
Product description:	Refined, deodorized soybean vegetable oil extracted from the 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 months 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)
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

PHYSICAL AND CHEMICAL INDICATORS

Test item name and unit	Reference Value	Tested Value*
Color number <i>mg iodine</i>	Max 10	3
Acid number <i>mg KOH/g</i>	Max 0.4	0.15 – 0.25
Peroxide number <i>½ O mmol/kg</i>	Max 10	0.55 – 1
Content of phosphoric substances in terms of stearooleocithin %	None	
Non-fat impurity content %	None	
Moisture and volatiles content %	Max 0.1	0.02 – 0.03
Soap <i>quality test</i>	None	

PESTICIDES

Heptachlorine <i>mg/kg</i>	Max 0	None
Hexachlorane (HCCH, hexachlorocyclohexane) <i>mg/kg</i>	Max 0.05	< 0.05
DDT <i>mg/kg</i>	Max 0.1	< 0.05

HEAVY METALS

Lead (Pb) <i>mg/kg</i>	Max 0.1	0.064
Cadmium (Cd) <i>mg/kg</i>	Max 0.05	0.209
Arsenic (As) <i>mg/kg</i>	Max 0.1	< 0.08
Mercury (Hg) <i>mg/kg</i>	Max 0.03	0.008
Copper (Cu) <i>mg/kg</i>	Max 0.5	0.315
Zinc (Zn) <i>mg/kg</i>	Max 5	1.846
Iron (Fe) <i>mg/kg</i>	Max 5	0.419

TOXINS AND RADIONUCLIDES

Aflatoxin B1 <i>mg/kg</i>	Max 0.005	< 0.001
Zearalenone <i>mg/kg</i>	Max 1	< 0.04
Caesium-137 (Cs-137) <i>Bq/kg</i>	Max 30	12
Strontium-90 (Sr-90) <i>Bq/kg</i>	Max 100	5.81

GENETICALLY MODIFIED ORGANISMS (GMO)

35S+FMV promotor target sequence <i>PRC Real-Time %</i>	Max 0.1	None
NOS-terminator target sequence <i>PRC Real-Time %</i>	Max 0.1	None

FATTY ACID COMPOSITION

C 16:0 %	7 – 13	7.9
C 18:0 %	2 – 6	3.9
C 18:1 %	18 – 30	27.5
C 18:2 %	44 – 62	60.2
C 18:3 %	4 – 11	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.