



CASEUS GROUP

**Technical Data Sheet**  
**Sunflower Lecithin Liquid– Standardized**

**Product:** Sunflower lecithin; Non-GMO liquid.

**Certifications:** Kosher, Halal, FSSC, Non-GMO Project Verified, FDA.

**Country of Manufacture/Raw Material Origin:** Ukraine

**Product Description:** Food grade, viscous, amber/dark brown liquid product derived from clean, healthy, and well-preserved sunflower seeds (*Helianthus annuus* L.) by pressing, extraction and degumming process.

**Packaging:** 200 kg (440.92 lbs) metal drum or 1000 kg (2204.62) plastic tote.

**Storage Conditions:** Store in a cool, dry place at ambient temperature (16-32°C or 60-90°F), away from direct sunlight and excessive humidity. Storage below 16°C/60°F may lead to separation.

**Shelf Life:** 24 months from the date of manufacture, if unopened in the original factory sealed package.

**Applications:** Emulsifier, stabilizer, wetting agent, instantizing agent, release agent and dispersing agent.

Sensory Parameters	Method of Analysis	Specification	Frequency
Aroma	Sensory test	typical	Every batch
Color	Sensory test	brown	Every batch
Flavor	Sensory test	typical	Every batch
Appearance	Sensory test	fluid	Every batch

Analytical Properties	Units of Measurement	Method of Analysis	Specification	Frequency
Acetone Insoluble (Phosphatides)	%	AOCS Ja 4-46	≥ 60	Every batch
Moisture	%	AOCS Ja 2b-37	≤ 1	Every batch
Acid Value	mg KOH/g	AOCS Ja 6-55	≤ 30	Every batch
Color Gardner	1-18	AOCS Ja 9-87	≤ 12	Every batch
Peroxide Value	mEq O <sub>2</sub> /kg	AOCS Ja 8-87	≤ 5	Every batch
Hexane/Toluene Insolubles	%	AOCS Ja 3-87	≤ 0.3	Every batch
Viscosity Poise @25°C	cP	AOCS Ja 10-87	≤ 12,000	Every batch

Microbiological Properties	Units of Measurement	Method of Analysis	Specification	Frequency
Total Plate Count	cfu/g	ISO 4233	≤ 3000	Every batch
Coliforms	cfu/g	ISO 4832	≤ 100	Every batch
Yeast	cfu/g	ISO 7954	≤ 100	Every batch
Mold	cfu/g	ISO 7954	≤100	Every batch
Enterobacteriaceae	cfu/g	ISO 21528	≤10	Every batch
Salmonella	Per 25 g	ISO 6579	negative	Every batch

Heavy Metals	Units of Measurement	Method of Analysis	Specification	Frequency
As (Arsenic)	mg/kg	AOAC 986.15	≤ 0.1	Twice a year
Pb (Lead)	mg/kg	AOAC 986.15	≤ 0.1	Twice a year
Hg (Mercury)	mg/kg	AOAC 988.11	≤ .05	Twice a year