

TECHNICAL DATA

(Not a Specification)

Product Name: **Sunflower Oil, High Oleic**
 Source: Sunflower seed (*Helianthus annuus*)
 Manufacturing: Expeller Pressed, refined, bleached, deodorized, winterized

High oleic sunflower was developed through traditional methods of plant breeding and hybridization. This oil is oxidatively very stable and is considered equal to olive oil for table use. It is also highly recommended for many culinary applications (including high heat) and cosmetic applications.

<u>Property</u>	<u>Typical Analysis</u>	<u>Method</u>
Appearance	Clear	Observation
Organoleptic	Bland Oil	Sensory Evaluation
Color (Lovibond)	≤10Y, 1.5R	AOCS Cc 13b-45, 5¼ cell
Moisture	≤0.1%	AOCS Ca 2e-84
Specific Gravity	0.912 to 0.920	AOCS Cc 10c-95 @ 20°C
Free Fatty Acid	≤0.1%	AOCS Ca 5a-40, as Oleic Acid
Peroxide Value Initial	≤2.0 meq/kg	AOCS Cd 8b-90
Iodine Value	75 to 85	AOCS Cd 1c-85
Smoke Point	240 deg. C (464 deg. F)	AOCS Cc 9a-48
OSI	30 hr	AOCS Cd 12b-92
Cold Test at 40 Deg F	10 hr	AOCS Cc 11-53

Typical Fatty Acid Profile (%) AOCS Ce 1e-91

C16:0	Palmitic	3 to 5
C18:0	Stearic	2 to 5
C18:1	Oleic	74 to 88
C18:2	Linoleic	3 to 17
C18:3	Linolenic	≤1

Packaging and Storage: Store in a cool dry place (50 to 68 degrees F optimum) away from direct sources of sunlight, heat and oxidizers. Properly stored unopened containers have an expected shelf life of 24 months.

<u>Item Number</u>	<u>Size</u>	<u>Container Description</u>
120860	420 lb	Closed head food grade steel drum, top openings are 2" and ¾" National Coarse Thread, no side bung.

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