



# TECHNICAL DATA

A division of Spectrum Organic Products, Inc

Product Name: **Safflower Oil, High Oleic, Unrefined**  
 Source: Safflower seed (*Carthamus tinctorius*)  
 Manufacturing: Expeller Pressed, filtered

High oleic safflower oil is used for its high resistance to oxidation and heat degradation enabling many culinary applications including high temperature frying. Since the oil has not been refined it is full-flavored and slightly less heat resistant than a refined oil.

<u>Property</u>	<u>Typical Analysis</u>	<u>Method</u>
Appearance	Clear	Observation
Organoleptic	Bland Oil	Sensory Evaluation
Color (Lovibond)	≤20Y,2.0R	AOCS Cc 13b-45, 5¼ cell
Moisture	≤0.1%	AOCS Ca 2e-84
Specific Gravity	0.900 to 0.925	AOCS Cc 10a-25 @ 20°C
Free Fatty Acid	≤1.0	AOCS Ca 5a-40, as % Oleic Acid
Peroxide Value Initial	≤10	AOCS Cd 8-53 as meq/kg
Iodine Value	89 to 93	AOCS Cd 1d-92
Saponification Value	185 to 198	AOCS Cd 3-25
Smoke Point	225 °C (437 °F)	AOCS Cc 9a-48
AOM to 100 meq/kg	41.5 hr	AOCS Cd-12-57

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

C16:0	Palmitic	5 to 8
C18:0	Stearic	≤2
C18:1	Oleic	73 to 80
C18:2	Linoleic	12 to 15
C18:3	Linolenic	≤0.5

**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 18 months.

<u>Item Number</u>	<u>Size</u>	<u>Container Description</u>
120300	420 lb	Closed head food grade lined steel drum, top openings are 2" and ¾" National Coarse Thread, no side bung.
101300	2019 lb	Disposable tote bin, cardboard shell with plastic liner. Packaged to firm order only. (Tanker truck, appx. 48,000 lbs, may be available by prior agreement.)

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