



TECHNICAL DATA

(Not a Specification)

Product Name: **Sunflower Oil, Organic, High Oleic**
 Source: Organically certified Sunflower seed (*Helianthus annuus*)
 Manufacturing: Expeller Pressed, organically bleached, deodorized, winterized
 Ingredients: Derived from organic sunflower seeds

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 | 0.909 to 0.915 | 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 90 | AOCS Cd 1d-92 |
| Saponification Value | 182 to 194 | AOCS Cd 3-25 |
| Smoke Point | 230 deg. C | AOCS Cc 9a-48 |
| OSI @110 °C | 19 Hrs | AOCS Cd 12B-92 |

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> |
|--------------------|-------------|---|
| 120870 | 420 lb | Closed head food grade steel drum, top openings are 2" and ¾" National Coarse Thread, no side bung. |
| 101870 | 2019 lb | Disposable tote bin, cardboard shell with plastic liner. Packaged to firm order only. |

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