



TECHNICAL DATA

(Not A Specification)

A division of Spectrum Organic Products, Inc

Product Name: **Sweet Almond Oil**
Source: Nut of the Sweet Almond Tree (*Prunus amygdalus dalcis*)
Manufacturing: Expeller Pressed, refined, bleached, winterized, deodorized

Sweet almond oil is used in many cosmetic applications ranging from creams and lotions to scrubbing preparations and hair conditioners.

<u>Property</u>	<u>Typical Analysis</u>	<u>Method</u>
Appearance	Clear	Observation
Organoleptic	Bland Oil	Sensory Evaluation
Color (Lovibond)	≤15 Y, 2.0 R	AOCS Cc 13b-45, 5¼ cell
Moisture	≤0.1%	AOCS Ca 2e-84
Specific Gravity	0.900 to 0.920	AOCS Cc 10a-25 @ 20°C
Free Fatty Acid	≤0.2	AOCS Ca 5a-40, as % Oleic Acid
Peroxide Value Initial	≤3.0	AOCS Cd 8-53, as meq/kg
Iodine Value	99 to 105	AOCS Cd 1d-92
Saponification Value	188 to 200	AOCS Cd 3-25

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

C16:0	Palmitic	5 to 8
C18:0	Stearic	≤2
C18:1	Oleic	58 to 70
C18:2	Linoleic	20 to 30
C18:3	Linolenic	≤1

Note: In the above C(number):(number) terminology the second number refers to the degree of saturation or unsaturation of the fatty acid. A zero (0) means the fatty acid is saturated, a one(1) means it is monounsaturated, and a two or greater (2, 3, etc.) means it is polyunsaturated. The first number refers to the number of carbon atoms in the fatty acid chain.

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>
120510	420 lb	Closed head food grade steel drum, top openings are 2" and ¾" National Coarse Thread, no side bung.

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