



TECHNICAL DATA

A division of Spectrum Organic Products, Inc

Product Name: **Coconut Oil, Refined**
 Source: Fruit of the Coconut Palm (*Cocos nucifera*)
 Manufacturing: Integrated (expeller pressed and solvent extracted), bleached, deodorized

Coconut oil is a highly saturated oil making it very stable against oxidation. Coconut oil is used in culinary applications ranging from shortening and margarines to popping corn and confectionery products. Coconut oil is extensively used in many cosmetic applications including specialty soaps, sun preparations, creams and lotions.

<u>Property</u>	<u>Typical Analysis</u>	<u>Method</u>
Appearance	Opaque, off-white	Observation
Organoleptic	Bland Oil, slight aromatic	Sensory Evaluation
Color (Lovibond)	≤1.5 R	AOCS Cc 13b-45, 5¼ cell
Moisture	≤0.1%	AOCS Ca 2e-84
Specific Gravity	0.908 to 0.921	AOCS Cc 10a-25 @ 20°C
AOM to 100 meq/kg	150 hr	AOCS Cd-12-57
Acid Value	≤0.1	AOCS Cd 3d-63 as mg KOH/g
Free Fatty Acid	≤0.05%	AOCS Ca 5a-40, as % Lauric Acid
Peroxide Value	≤2.0	AOCS Cd 8-53 as meq/kg
Iodine Value	8 to 12	AOCS Cd 1d-92
Saponification Value	248 to 265	AOCS Cd 3-25
Smoke Point	190°C (374°F)	AOCS Cc 9a-48

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

C12:0	Lauric	39 to 54
C14:0	Myristic	15 to 23
C16:0	Palmitic	6 to 11
C18:0	Stearic	1 to 4
C18:1	Oleic	4 to 11
C18:2	Linoleic	1 to 2.10
C18:3	Linolenic	≤0.5

Microbiology FDA BAM 8th Ed, 1998

TPC	<500/g
Yeast & Mold	<10/g
Coliforms	<10/g
E. coli	Negative/g
Salmonella	Negative/250g
S. aureus	Negative/10g

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>
120555	400 lb	Open head lined metal drum, pump/drain and vent holes in lid, no side bung.

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