



Green Coffee Oil

INCI: Coffea arabica Oil

Specifications

<u>Test</u>	<u>Range</u>	<u>Method</u>
Appearance (25°C):	Viscous, oily, liquid	Visual
Color:	Greenish Brown	
Flavor:	Natural, characteristic	Olfactory
Moisture & Volatiles:	<2%	AOCS Ca 2c-25
Relative Density (25°C):	0.92 to 1.20	AOCS Cc 10a-25
Refractive Index (25°C):	1.46 to 1.49	SEISS 25°C
FFA (as palmitic acid):	3 to 5.5%	AOCS Ca 5a-40
Saponification Value:	170 – 200 mg/KOH/1g	AOCS Cd3-25
Iodine Value:	70 – 100 g I ₂ /100g	AOCS Cd 1-25 (93)
Peroxide Value:	Max. 10.00 mEQ O ₂ /1000g	AOCS Cd8-53
Refractive Index (25°C):	1.460 – 1.490	
Viscosity Max (25°C):	300 CP	
Impurities %:	≤ 1	AOCS Ca 3-46(97)
Melting Point:	5 to 15°C	
Unsaturation %:	Max 10.0%	AOCS Ca 3a-46(97)
Sediments (at 25°C):	≤ 5 mg/3g	
Additives:	None	
UVB Max Absorption:	300 to 303 nm	
Total Sterols Proportion:	470 to 490 mg/kg	
Campesterol (%):	14.0 to 15.0	
Stigmasterol (%):	22.0 to 23.0	
β-Sitosterol (%):	54.0 to 55.0	
γ-5-Avenasterol (%):	3.6 to 3.7	
γ-7-Stigmasterol (%):	4.4 to 4.6	
Tocopherol (µg/g coffee dry base)	(%)	
α Tocopherol:	16.5 to 17.0	
β Tocopherol:	88.0 to 88.2	
γ Tocopherol:	2.5 to 2.6	



Typical Fatty Acid Composition:

C8:0 Caprylic Acid	Traces
C10:0 Capric Acid	Traces
C12:0 Lauric Acid	-----
C14:0 Myristic Acid	0.6 – 1.2
C16:0 Palmitic Acid	8.76 – 11.34
C16:1 Palmitoleic Acid	0.32 – 0.5
C18:0 Stearic Acid	1.6 – 7.2
C18:1 Oleic Acid	20.0 – 42.0
C18:2 w6 Linoleic Acid	14.0 – 31.48
C18:3 w3 Linolenic Acid	3.3 – 7.2
C20:0 Arachidic Acid	0.1 – 0.3
C20:1 Gadoleic Acid	0.1 – 0.4
C22:0 Behenic Acid	0.5 – 1.02
C24:0 Lignoceric Acid	0.1 – 0.3

Green Coffee Oil is cold pressed from unroasted coffee beans. The oil proportion in green coffee beans is 12 to 18%. The unsaponified portion is 4 to 10%.

Standard Packaging: 25 kg and 190 kg

Storage: Store in a cool, dry, location, away from sunlight.

Date: 05/20/08

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