

### TECHNICAL DATA SHEET (TDS)

Product Name	GREEN COFFEE BEAN OIL
Botanical Name	Coffea arabica
CAS #	84650-00-0; 8001-67-0
EINECS #	283-481-1
INCI Name	Coffea Arabica (Green Coffee) Oil

Part Used	Bean
Extraction Method	Cold Pressed
Quality	100% Pure and Natural

<u>PROPERTIES</u>	<u>SPECIFICATIONS</u>
Appearance	Pale yellow to dark greenish brown colored liquid
Odour	Characteristic green, slightly herbal odour
Refractive Index	1.460 - 1.490 @ 20°C
Specific Gravity (g/mL)	0.928 - 0.980 @ 20°C
Saponification Value (mgKOH/g)	170 – 200
Peroxide Value (meq O <sub>2</sub> /kg)	Less than 10.0
Acid Value (mgKOH/g)	Less than 5.0
Solubility	Soluble in cosmetic esters and fixed oils; Insoluble in water

#### FREE ACID COMPOSITION

FATTY ACID	C-CHAIN	SPECIFICATIONS (%)
Palmitic Acid	C16:0	30.00 – 36.00
Stearic Acid	C18:0	7.50 – 9.50
Oleic Acid	C18:1 (n-9)	7.50 – 10.50
Linoleic Acid	C18:2 (n-6)	40.00 – 46.00
Alpha-Linolenic Acid	C18:3 (n-3)	Maximum 2.00
Arachidic Acid	C20:0	2.00 – 4.00

MICROBIAL ANALYSIS	<u>SPECIFICATIONS</u>	<u>STANDARDS</u>
Aerobic Mesophilic Bacterial Count	< 100 CFU/g	ISO 21149
Yeast and Mould	< 10 CFU/g	ISO 16212
Candida albicans	ABSENT / 1g	ISO 18416
Escherichia coli	ABSENT / 1g	ISO 21150
Pseudomonas aeruginosa	ABSENT / 1g	ISO 22717
Staphylococcus aureus	ABSENT / 1g	ISO 22718

<u>HEAVY METAL TESTS</u>	<u>SPECIFICATIONS</u>	<u>STANDARDS</u>
Lead: Pb (mg/kg or ppm)	< 10 ppm	na
Arsenic: As (mg/kg or ppm)	< 2 ppm	na
Mercury: Hg (mg/kg or ppm)	< 1 ppm	na

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