

PRODUCT SPECIFICATION OF ORGANIC VIRGIN COCONUT OIL

GENERAL INFORMATION		
COUNTRY OF ORIGIN	Sri Lanka	
INGREDIENTS	100 % Pure Organic Coconuts	
DESCRIPTION	Virgin coconut oil obtained from the fresh matured white kernel of coconuts by cold pressing.	
ADDITIVES	No additives & preservatives.	
PRODUCTION PROCESS	Cold Expeller Press, (Unrefined & unbleached), Expells below 45 °C, Mechanical process with minimum chemical changes & purified by mechanical filtration.	
APPLICATIONS	Nonfood applications animal feed, personal care product ingredients, lauric fatty acid products, insect repellents, furniture polishers, nutritional supplements, soap and candle making.	
PHYSICAL AND CHEMICAL DATA		
QUALITY VALUES	Iodine	4.1 – 6.2
	Colour 25 mm, cell on the Lovibond color scale expressed in Y+5R, not deeper than	1
	Appearance	Crystal clear, free from visible foreign matter.
	Aroma	Mild, fresh and characteristics of coconut with no-off odor.
	Relative density at 30 °C	0.910 to 0.920
	Refractive index at 40 °C	1.4480 to 1.4492
	Free Fatty Acid (As Lauric Acid % by mass)	0.2 % Max

	Moisture	0.1 % Max
QUALITY VALUES	Peroxide ,meq/kg	3 max
	Melting Point, (in °C)	25-26
	Saponification value	255 to 265
	Mineral Acidity	Nil
	Un-saponifiable matter, % by mass	0.2 % Max
	Flash Point	256 °C
	Insoluble impurities, % by mass	0.05 max

TYPICAL VALUES	FATTY ACID COMPOSITION, %, AOAC 996.01 TEST METHOD			
	C6 Capronic	ND-0.7	C16 Palmitic	7.5-10.2
	C8 Caprylic	4.6-10	C18 Stearic	2-4
	C10 Capric	4.6-8	C18:1 Oleic	4.5 -10
	C12 Lauric	45.1-53.2	C18:2 Linoleic	1-2.5
	C14 Myristic	16.8-21	C18:3	ND-0.2

MICROBIOLOGICAL CHARACTERISTICS

MICROBIOLOGY	Aerobic Plate Count	≤1000(cfu/g)	Mold Count	≤100(cfu/g)
	Coli Form	3mpn/ml	E.coli	Absent/Neg.
	Yeast Count	≤100(cfu/g)	Salmonella	Absent/Neg.

LIMIT OF HEAVY METALS

	TEST VALUE	BLOQ ,mg/kg	TEST METHOD
Arsenic as As	ND	0.04	FD-MTHD -034 with ICPMS
Cadmium as Cd	ND	0.04	
Lead as Pb	ND	0.06	
Mercury as Hg	ND	0.007	

STORAGE, TRANSPORT & SHELF LIFE

Store in a dry place at ambient temperature and away from direct sunlight. Development of slight turbidity does not affect the wholesome quality of the product. This product will solidify and become cloudy below 25 °C. Before dispensing, gradually thaw above melting point.
 2 years in ambient conditions. Use within 3 months after opening the container.
 Keep opened container tightly covered at all times in a cool, dark area to minimize the moisture absorption and deterioration.