

# *Certificate of Analysis*

**Description:** Coconut Oil, RBD, Organic (Boxed)

**Lot No:** 63428

**Inci Name:** Cocos Nucifera (Coconut) Oil

**Cas No:** 8001- 31- 8

**Einecs No:** 232-282-8

ANALYTICAL DETAILS	RANGE	RESULT
APPEARANCE @20°C	White, light beige to yellow solid fat at room temperature	Conforms
COLOUR (LOVIBOND 5.25" CELL)	≤ 5.0 y, 1.0 r	1.6y, 0.5 r
SPECIFIC GRAVITY	0.9090	Conforms
FREE FATTY ACID (% AS OLEIC)	≤ 0.1	0.02
IODINE VALUE (CALC)	7 - 12	N/D
PEROXIDE VALUE (Meq O <sub>2</sub> / kg)	≤ 1.0	0.5
SAPONIFICATION VALUE	248 - 264	N/D
UNSATURATED MATTER (%)	≤ 1.0	N/D
MELTING POINT (°C)	25 – 30	N/D

NUCLEAR MAGNETIC RESONANCE	NMR	RANGE (%)	RESULT
	10°C	77 – 83	80
	20°C	29 – 38	37.2
	30°C	N/S	1.7

FATTY ACID PROFILE (MAJOR ACIDS)	ACID NAME	C-CHAIN	RANGE	RESULT
	CAPRYLIC	C 8:0	2 - 16	9.7
	CAPRIC	C10:0	2 - 16	6.6
	LAURIC	C12:0	40 - 58	46.7
	MIRISTIC	C14:0	12 - 22	17.6
	PALMITIC	C 16:0	4 - 12	8.8
	STEARIC	C18:0	1 - 4	2.8
	OLEIC	C 18:1	3 - 12	6.0
	LINOLEIC	C 18:2	1 - 4	1.5

Certification Body: The Soil Association & Kosher certified

Date Produced: February 2014

Best Before: February 2016

R00139

Revised: 05/04/2014 JD