

The Soap Kitchen Certificate of Analysis

Description: Coconut Oil, Organic

Batch No: 17735

Inci Name: Cocos Nucifera (Coconut) Oil

Cas No: 8001- 31- 8
 282-8

Einecs No: 232-

ANALYTICAL DETAILS	RANGE	RESULT
APPEARANCE @20°C	White Solid at room temperature	Conforms
COLOUR (LOVIBOND 5.25" CELL)	≤ 30y, 3.0r	2.29 Y, 0.4 R
FREE FATTY ACID (% AS OLEIC)	≤ 1.0	0.02
IODINE VALUE (CALC)	7 - 12	10.3
PEROXIDE VALUE (Meq O ₂ / kg)	≤ 5.0	0.0
MELTING POINT (°C)	25 – 30	25.2

FATTY ACID PROFILE (MAJOR ACIDS)	ACID NAME	C-CHAIN	RANGE	RESULT
	CAPRONIC	C 6:0		
CAPRYLIC	C 8:0		5 – 8	6.1
CAPRIC	C10:0		4 – 8	5.6
LAURIC	C12:0		44 – 48	46.0
MYRISTIC	C14:0		16 – 19	18.1
PALMITIC	C16:0		7 – 9	9.4
PALMITOLEIC	C16:1			0.0
STEARIC	C18:0		1 – 4	3.2
OLEIC	C18:1		4 – 10	9.3
LINOLEIC	C18:2		1.5 – 3.5	2.1
ALPHA LINOLENIC	C18:3			0.0
ICOSANOIC	C20:0			0.0
ICOSENOIC	C20:1			0.0
DOCOSANOIC	C22:0			0.0