



The Soap Kitchen
Unit 2 D&E Hatchmoor Industrial Estate
Torrington, Devon. EX38 7HP
Tel:01805 622944 Email info@thesoapkitchen.co.uk

Certificate of Analysis

Description: Almond Oil Sweet, Refined, Cosmetic

Batch No: 19855

ANALYTICAL DETAILS	RANGE	RESULT
COLOUR (LOVIBOND 5.25" CELL)	≤ 25 y, 2.5 r	≤ 15.7y, 1.25r
REFRACTIVE INDEX @ 20°C	1.465 – 1.475	1.47
RELATIVE DENSITY @ 20°C	0.910 – 0.930	0.9113
FREE FATTY ACID (% AS OLEIC)	≤ 0.25	0.073
IODINE VALUE (CALC)	95-109	107
PEROXIDE VALUE (Meq O ₂ / kg)	≤ 5.0	≤ 2.8
SAPONIFICATION VALUE	190 - 200	191
UNSAAPONIFIABLE MATTER	≤ 1.0	< 1.0
ACID VALUE	≤ 0.50	0.15

	ACID NAME	C-CHAIN	RANGE	RESULT
FATTY ACID PROFILE (MAJOR ACIDS)	PALMITIC	C16:0	3 – 9	5.8
	PALMITOLEIC	C16:1	≤ 2.0	0.18
	STEARIC	C18:0	1 – 3	2.9
	OLEIC	C18:1	60 – 75	65.06
	LINOLEIC	C18:2	20 – 30	24.48
	ALPHA LINOLENIC	C18:3	≤ 0.5	0.25
	ICOSANOIC	C20:0	≤ 0.3	0.1
	ICOSENOIC	C20:1	≤ 0.3	0.24
	DOCOSANOIC	C22:0	≤ 0.9	0.68
	TETRACOSANOIC	C24:0	≤ 0.5	0.16

Date Produced: July 2011

Best Before: July 2012

Spec: Z9-73/01

Revised: 18.07.2011 VG