



The Soap Kitchen

Unit 2 D&E Hatchmoor Industrial Estate
Torrington, Devon. EX38 7HP

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Certificate of Analysis

Description: Jojoba Oil, Golden

Batch No: 19675

Inci Name: Simmondsia Chinensis (Jojoba) Oil

Cas No: 90045-98-0

Einecs No: 289-964-3

ANALYTICAL DETAILS	RANGE	RESULT
APPEARANCE	Clear bright golden oily liquid	Complies
ODOUR	Typical oily	Complies
COLOUR (LOVIBOND 5.25" CELL)	≤ 50y, 5.0r	≤ 50y, 5.0r
COLOUR (GARDNER)	≤ 9	≤ 9
SPECIFIC GRAVITY @ 25°C (G/CM ³)	0.863 – 0.873	0.866
REFRACTIVE INDEX @ 20°C	1.460 – 1.466	1.467
FREE FATTY ACID (% AS OLEIC)	≤ 1	0.34
IODINE VALUE (CALC)	80 - 90	83.8
PEROXIDE VALUE (Meq O ₂ / kg)	≤ 5	0.67
SAPONIFICATION VALUE (mg KOH / g)	90 – 98	94.6
UNSAPONIFIABLE MATTER	45 – 55	50.4
ACID VALUE (KOH/ G OIL (MG))	≤ 2	0.68

FATTY ACID PROFILE (MAJOR ACIDS)	ACID NAME	C-CHAIN	RANGE	RESULT
	PALMITIC	C16:0	≤ 3.0	1.0
PALMITOLEIC	C16:1	≤ 1.0	0.2	
OLEIC	C18:1	5.0-15	10.0	
EICOSENOIC	C20:1	65-80	70.9	
BEHENIC	C22:0	≤ 1.0	0.3	
ERUCIC	C22:1	10-20	15.2	
NERVONIC	C24:1	≤ 3.0	1.7	
OTHERS		≤ 3.0	≤ 3.0	

WAX ESTER CHAIN COMPOSITION (%)		RANGE	RESULT
	C36	≤ 2.0	Complies
C38	≤ 10.0	Complies	
C40	27.0 – 37.0	Complies	
C42	45.0 – 56.0	Complies	
C44	≤13.0	Complies	
C46	≤ 2.0	Complies	

Date Produced: January 2011

Best Before: January 2013