

# The Soap Kitchen

## *Certificate of Analysis*

**Description:** Apricot Kernel Oil, RBDW

**Batch No:** 18972

**Inci Name:** Prunus Armeniaca (Apricot) Kernel Oil

**Cas No:** 72869-69-3

**Einecs No:** N/A

ANALYTICAL DETAILS	RANGE	RESULT
APPEARANCE @ 20°C	Clear , light yellow liquid	Complies
ODOUR	Almost odourless	Complies
COLOUR (LOVIBOND 5.25" CELL)	≤ 30y, 3.0 r	8.0y, 1.0 r
RELATIVE DENSITY @ 15.5°C (gr/cm <sup>3</sup> )	0.910 – 0.920	0.915
REFRACTIVE INDEX @ 20°C	1.469 - 1.475	Complies
FREE FATTY ACID (% AS OLEIC)	≤ 1.0	0.1
IODINE VALUE (gr <sub>2</sub> /100 gr)	90 - 115	105
PEROXIDE VALUE (Meq / kg)	≤ 5.0	1.0
SAPONIFICATION VALUE	185 - 195	191
UNSAAPONIFIABLE MATTER	≤ 2.0	0.60
ACID VALUE	≤ 2.0	0.2

	ACID NAME	C-CHAIN	RANGE	RESULT
<b>FATTY ACID PROFILE (MAJOR ACIDS)</b>	PALMITIC	C16:0	3.0 – 6.0	5.50
	PALMITOLEIC	C16:1	≤ 1.4	0.10
	STEARIC	C18:0	0.5 – 3.0	2.50
	OLEIC	C18:1	55.0 – 70.0	64.70
	LINOLEIC	C18:2	20.0 – 35.0	25.50
	ALPHA LINOLENIC	C18:3	≤ 1.0	0.20
	ICOSANOIC	C20:0	≤ 0.5	0.30
	ICOSENOIC	C20:1	≤ 0.3	0.20
	DOCOSANOIC	C22:0	≤ 0.5	0.50
	TETRACOSANOIC	C24:0	≤ 0.5	0.20

Date Produced: March 2011

Best Before: March 2012  
when stored at 20°C

Spec: Z17-1/01

Revised: 21.04.2011 VG