



The Soap Kitchen

Certificate of Analysis

Description: Safflower Oil, CP, Organic

Batch No: 17685

Inci Name: Carthamus Tinctorius (Safflower) Seed Oil

Cas No: 8001-26-6

Einecs No: 232-273-9

ANALYTICAL DETAILS	RANGE	RESULT
APPEARANCE	Clear	Complies
TASTE	Characteristic	Complies
COLOUR	Orange	Complies
COLOUR (LOVIBOND 5.25" CELL)	≤ 34 y, 3.3 r	Complies
ODOUR	Characteristic	Complies
SPECIFIC GRAVITY @ 20°C	0.917 – 0.924	Complies
FREE FATTY ACID (% AS OLEIC)	≤ 2.0	0.9
IODINE VALUE (CALC)	136 - 148	143.03
PEROXIDE VALUE (Meq / kg)	≤ 10.0	0.6
UNSATURATED MATTER	≤ 2.0	Complies
SAPONIFICATION VALUE	180 - 200	Complies
MOISTURE (%)	0.1	Complies
P.A.H. (benzo(a)pyrene) (µg/kg)	≤ 2.0	Complies
HEAVY METALS (PPM)	According to EU Legislation	Complies
INSECTICIDES	According to EU Legislation	Complies
PESTICIDES	According to EU Legislation	Complies
DIOXIDES	According to EU Legislation	Complies

	ACID NAME	C-CHAIN	RANGE	RESULT
FATTY ACID PROFILE (MAJOR ACIDS)	MYRISTIC	C14:0	≤ 0.2	N/A
	PALMITIC	C16:0	5.3 – 8.0	6.65
	PALMITOLEIC	C16:1	≤ 0.2	0.08
	STEARIC	C18:0	1.9 – 2.9	2.46
	OLEIC	C18:1	8.4 – 21.3	11.34
	LINOLEIC	C18:2	67.8 – 83.2	78.15
	ALPHA LINOLENIC	C18:3	≤ 0.1	0.10
	ICOSANOIC	C20:0	0.2 – 0.4	0.33
	ICOSENOIC	C20:1	0.1 - 0.3	0.18
	DOCOSANOIC	C22:0	≤ 1.0	0.20
	DOCOSENOIC	C22:1	≤ 1.8	N/A
	OTHERS		≤ 1.0	N/A

Country of origin: USA, Australia, Argentina, Europe
Date Produced: July 2010

Retest date: January 2012

Spec: Z22-22/01

Revised: 04.08.2010 AM