



The Soap Kitchen
Unit E Swinton Bridge Industrial Estate
Whitelee Road
Swinton
South Yorkshire
S64 8BH
Telephone : 01237 420 872
enquiries@thesoapkitchen.co.uk

CERTIFICATE OF ANALYSIS

PRODUCT NAME: Sunflower Oil Organic

Trade Name:	Sunflower Oil Organic	Inci Name:	<i>Helianthus Annuus</i> (Sunflower) Seed Oil
Cas No:	8001-21-6	Einecs No:	232-273-9
Country of Origin:	France	Country of Manufacture:	France
Manufactured:	December 2022	Shelf Life:	12 Months
Lot No:	105908	Application:	Cosmetics
		Organic Licence No:	CC06017

Description:

The fixed oil is obtained by cold pressing from the seeds of the Sunflower, *Helianthus annuus L., Compositae*

ANALYTICAL DETAILS	UNIT	RANGE	RESULT
Appearance @ 20°C	Organoleptic	Mobile oily liquid	Conforms
Colour	Organoleptic	Light yellow to yellow to golden yellow	Conforms
Odour	Organoleptic	Characteristic	Conforms
Refractive Index @ 20°C	-	1.470 – 1.480	1.475
Specific Gravity @ 20°C	g/ml	0.910 – 0.930	0.921
Acid Value	mg KOH/g	≤ 10.0	0.12
Free Fatty Acid (as Oleic)	%	≤ 5.0	0.06
Peroxide Value	meq O ₂ /kg	≤ 20.0	6.2
Saponification Value	mg KOH/g	175 - 215	191.4
Iodine Value	mg/g	95 - 150	119.6
Flash Point (Closed Cup)	°C	>280°	Conforms

TYPE	ACID NAME	UNIT	RANGE	RESULT
C16:0	Palmitic	%	4 – 9	6.1
C16:1	Palmitoleic	%	≤ 1.0	0.1
C18:0	Stearic	%	≤ 8.0	3.5
C18:1	Oleic	%	10 – 40	37.7
C18:2	Linoleic	%	48 – 80	50.0
C18:3	Linolenic	%	≤ 2.0	0.2
C20:0	Arachidic	%	≤ 1.0	0.1
C22:0	Behenic	%	≤ 2.0	0.8

Storage: Store in tightly closed original container in a dry, cool and well-ventilated place. Keep away from heat, sparks and open flame. Protect from freezing and direct sunlight.

Shelf Life: The shelf life is 12 months from the date of manufacture, if unopened. Once opened the shelf life of the oil is limited by temperature, light and oxygen exposure. Any remaining oil should be blanketed with nitrogen and used as soon as possible.