



NHR ORGANIC OILS
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Certificate of Analysis Sheet

Organic Sesame Seed Oil

(*Sesamum indicum*)

Trade Name:	Sesame Oil Organic	Inci Name:	<i>Sesamum Indicum (Sesame) Seed Oil</i>
Cas No:	8008-74-0	Einecs No:	232-370-6
Country of Origin:	Mali	Batch No:	060323-2
Application:	Food / Cosmetics		
Description: The oil obtained by cold pressing the seeds of the Sesame, <i>Sesamum indicum</i> L., Pedaliaceae.			

ANALYTICAL DETAILS	UNIT	RANGE	RESULT
Appearance @ 20°C	Organoleptic	Liquid	Conforms
Colour	Organoleptic	Yellow	Conforms
Odour	Organoleptic	Characteristic, typical sesame	Conforms
Flavour	Organoleptic	Characteristic, typical sesame	Conforms
Refractive Index @ 20°C	-	1.440 - 1.476	1.473
Specific Gravity @ 20°C	g/ml	0.910 – 0.930	0.924
Acid Value	mg KOH/g	≤ 4.0	2.8
Peroxide Value	meq O ₂ /kg	≤ 10.0	0.3
Iodine Value	Calculation	100 - 120	113.7
Saponification Value	mg KOH/g	185 - 195	191.8

TYPE	ACID NAME	UNIT	RANGE	RESULT
C16:0	Palmitic	%	7 – 12	8.3
C16:1	Palmitoleic	%	Not specified	0.1
C18:0	Stearic	%	3.5 – 7	5.5
C18:1	Oleic	%	33 – 50	38.6
C18:2	Linoleic	%	35 – 50	45.7
C18:3	α-Linolenic	%	≤ 1.5	0.5
C20:0	Arachidic	%	≤ 1.0	0.6
C20:1	Eicosenoic	%	Not specified	0.2
C22:0	Behenic	%	Not specified	0.1

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: Once opened the shelf life of the oil is limited by temperature, light and oxygen exposure.