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Product Specifications

SESAME OIL, REFINED (GRAS Listed)

CAS 8008-74-0

INCI: *Sesamum Indicum Oil*

Origin and Production: Sesame Oil is obtained by pressing and/or extracting the kernels of the sesame plant (*Sesamum indicum L.*), which contains approx. 48% fatty oil. Main cultivation countries are India, China, Sudan and Venezuela. Subsequent refining (deacidification, bleaching, filtration, deodorization) leaves a pale-yellow, nearly odorless oil with a very mild taste.

<i>Test</i>	<i>Specification</i>	
	<u>Min</u>	<u>Max</u>
Sp Gr (20 °C)	0.915	0.923
RI, η_D^{20}	1.472	1.476
Acid value		0.3
Iodine value	103	118
Saponification value	186	195
Unsaponifiable Matter		2.0%
<u>Fatty Acid composition</u>		
Palmitic Acid, C (16:0)	7.9	12.0%
Stearic Acid, C (18:0)	3.9	6.7%
Oleic Acid, C (18:1)	35.9	43.7%
Linoleic Acid, C (18:2)	38.6	47.9%
Linolenic Acid, C (18:3)		0.60%
Arachidic Acid, C (20:0)		0.70%
Behenic Acid, C (22:0)		0.50%
Erucic Acid C, (22:1)		0.40%
Nervonic Acid, C (24:1)		0.10%

- cont'd-

Storage: Protect from light. Maintain at or below room temperature, in tightly sealed containers (nitrogen blanketed). Expiry: 2 years.

Usage: Sesame Oil belongs to the semi-drying oils family. Its content of Sesamol is measured by the Baudouin color reaction method. Sesamol acts as an oxidation inhibitor, while also assisting in absorption of ultraviolet radiation.

Refined Sesame Oil is used by the pharmaceutical, cosmetic and food industries. The cosmetics industry uses Refined Sesame Oil in body lotions and as carrier substance for lipid soluble plant ingredients, vitamins and UV filters. The pharmaceutical industry uses Refined Sesame Oil in ointments and as an adjuvant.
