



# TECHNICAL DATA

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## REFINED SESAME OIL N.F.

### GENERAL SPECIFICATIONS

Sesame Oil is the refined fixed oil obtained from the seed of one or more cultivated varieties of *Sesamum indicum* Linn, (Fam. Pedaliaceae).

TEST	METHOD	RANGE
Specific gravity @ 25°C	USP	0.916-0.921
Iodine value	USP	103 - 116
Saponification value	USP	188 - 195
Free fatty acids	USP	< 2.0 mL of 0.02 N NaOH
Cottonseed oil	USP	absent
Unsaponifiable matter	USP	< 1.5%
Solidification range of fatty acids	USP	20° - 25°
Heavy metals, Method II	USP	<0.001%
Residual Solvents	USP	Meets Requirements

#### TRIGLYCERIDE %

#### \* TYPICAL FATTY ACID COMPOSITION (%)

LLL 7.0-19.0	C14:0	< 0.5	C18:2	35 - 50
OLL 13.0-30.0	C16:0	7 - 12	C18:3	< 1.0
PLL 5.0-9.0	C16:1	< 0.5	C20:0	< 1.0
OOL 14.0-25.0	C18:0	3.5 - 6	C20:1	< 0.5
POL 8.0-16.0	C18:1	35 - 50	C22:0	< 0.5
OOO 5.0-14.0				
SOL 2.0-8.0				
POO 2.0-8.0				

Peroxide Value	USP	10 max
Color Gardner	AOCS Td 1a-64	4 max
Appearance	Greenish yellow, bright & clear oily liquid	
Odor	Bland, almost odorless	

Because of natural variations in oilseed crops, chemical and physical constants cannot be guaranteed at all times. However, oil sold as NF is guaranteed to meet the NF monograph.

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\* Optional testing not routinely performed.

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