



TECHNICAL DATA

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GENERAL SPECIFICATIONS REFINED SESAME OIL N.F.

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
Identification	USP	passes
Unsaponifiable matter	USP	< 1.5%
Solidification range of fatty acids	USP	20° - 25°
Heavy metals, Method II	USP	<0.001%

USP XXII GENERAL TESTS FOR INJECTION

Solid paraffin	USP	clear oil
Unsaponifiable matter	USP	clear soln.

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

TYPICAL FATTY ACID COMPOSITION (%)

C14:0	< 0.5	C18:2	35 - 50
C16:0	7 - 12	C18:3	< 1.0
C16:1	< 0.5	C20:0	< 1.0
C18:0	3.5 - 6	C20:1	< 0.5
C18:1	35 - 50	C22:0	< 0.5

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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