



TECHNICAL DATA

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REFINED COTTONSEED OIL N.F.

GENERAL SPECIFICATIONS

Cottonseed Oil is the refined fixed oil obtained from the seed of cultivated plants of various varieties of *Gossypium hirsutum* Linn, or of other species of *Gossypium* (Fam Malvaceae).

TEST	METHOD	RANGE
Specific gravity @ 25°C	USP	0.915-0.921
Iodine value	USP	109 - 120
Saponification value	USP	190 - 198
Free fatty acids	USP	< 2.0 mL of 0.02 N NaOH
Heavy metals, Method II	USP	0.001% max
Identification	USP	passes
Solidification range of the fatty acids	USP	31° - 35°
Organic volatile impurities	USP	
Benzene		2 ppm max
Chloroform		60 ppm max
1,4-Dioxane		380 ppm max
Methylene Chloride		600 ppm max
Trichloroethylene		80 ppm max

Color Gardner	AOCS Td 1a-64	5 max
Appearance	Golden yellow, bright & clear oily liquid	
Odor	Bland, odorless	

TYPICAL FATTY ACID COMPOSITION (%)

C14:0	0.5 - 2.0	C18:1	13 - 44
C16:0	17 - 29	C18:2	40 - 63
C16:1	< 1.5	C18:3	0.1- 2.1
C18:0	1.0 - 4.0		

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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