GLOBAL RESOURCES DIRECT
STRAIGHT FROM THE SOURCE

Safflower Oil Refined Type I

SPECIFICATION SHEET

PRODUCT NAME: Safflower Oil Refined Type I

PROPERTIES: A clear, viscous, yellow to pale yellow liquid with a neutral odour and a mild or neutral taste. It is practically insoluble in ethanol 96%, miscible with light petroleum (bp: 40 - 60 °C).

DESCRIPTION: Safflower oil Type I is the fatty oil obtained from seeds of Carthamus tinctorius L. by expression and/or extraction followed by refining.
Production: The oil is prepared using materials and methods to ensure that the content of brassicasterol in the sterol fraction of the oil is not greater than 0,3 %

INCI NAME: Carthamus Tinctorius Seed Oil

STORAGE: Keep in well closed, well filled containers or under inert gas, protect from light, cool and dry.

RESIDUAL SOLVENTS: It complies with the guideline CPMP/ICH/283/95 and CPMP/ICH/1940/00 corr. (residual solvents)

Parameter	Unit	Value
Physical and Chemical Characteristics		
Acid Value	mg KOH/g	max. 0,5
Peroxide Value	meq O2/kg	max. 10,0
Refractive Index (20 °C)		ca. 1,476
Relative Density (20 °C)		ca. 0,922
Alkaline Impurities		complies with
Unsaponifiable Matter	%	max. 1,5
Water	%	max. 0,1
Fatty Acid Composition (GC of FAMEs)		
< C 14	%	max. 0,2
14:0 Myristic Acid	%	max. 0,2
16:0 Palmitic Acid	%	4,0 - 10,0
18:0 Stearic Acid	%	1,0 - 5,0
18:1 Oleic Acid	%	8,0 - 21,0
18:2 Linoleic Acid	%	68,0 - 83,0
18:3 Linolenic Acid	%	max. 0,5
20:0 Arachidic Acid	%	max. 0,5
20:1 Eicosenoic Acid	%	max. 0,5
22:0 Behenic Acid	%	max. 1,0

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