

CERTIFICATE OF ANALYSIS

Product: Safflower Carrier Oil
Lot #: 15025A00119
Best Before: February, 2021
 Store in an air tight container; in a cool dry area; away from direct sunlight.

<u>Properties</u>	<u>Specifications</u>	<u>Results</u>
Appearance:	Pale yellow to yellow liquid.	Complies
Odor:	Characteristic odor.	Complies
Solubility:	Insoluble in water.	Complies
Iodine Value:	80 - 100 cg I/g	92.41
Peroxide Value:	< 2.0 meq/kg	0.78
Free Fatty Acid:	< 0.10 %	0.03
Saponification Value:	186 - 194	191.66
Specific Gravity:	0.913 - 0.919 @ 20°C	0.919
Refractive Index:	1.460 - 1.464 @ 40°C	1.464

FATTY ACID PROFILE

Palmitic acid (C:16:0):	4.0 - 6 %	5.38
Stearic acid (C:18:0):	1.5 - 3.5 %	2.84
Cis-oleic acid (C:18:1):	70 - 84 %	72.90
Cis-linoleic acid (C:18:2):	9.0 - 20 %	16.59
Alpha-linolenic (C:18:3):	1.2 % Max.	0.23

Disclaimer & Caution

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CERTIFICATE OF ANALYSIS

Product: Safflower Carrier Oil
Lot #: 15025-A53
Best Before: November, 2020
 Store in an air tight container; in a cool dry area; away from direct sunlight.

<u>Properties</u>	<u>Specifications</u>	<u>Results</u>
Appearance:	Pale yellow to yellow liquid.	Complies
Odor:	Characteristic odor.	Complies
Solubility:	Insoluble in water.	Complies
Iodine Value:	80 - 100 cg I/g	91.15
Peroxide Value:	< 2.0 meq/kg	0.78
Free Fatty Acid:	< 0.10 %	0.05
Saponification Value:	186 - 194	191.93
Specific Gravity:	0.913 - 0.919 @ 20°C	0.919
Refractive Index:	1.460 - 1.464 @ 40°C	1.464

FATTY ACID PROFILE

Palmitic acid (C:16:0):	4.0 - 6 %	5.39
Stearic acid (C:18:0):	1.5 - 3.5 %	2.88
Cis-oleic acid (C:18:1):	70 - 84 %	74.49
Cis-linoleic acid (C:18:2):	9.0 - 20 %	15.26
Alpha-linolenic (C:18:3):	1.2 % Max.	0.13

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CERTIFICATE OF ANALYSIS

Product: Safflower Carrier Oil
 Lot #: 15025-A52,B52,C52
 Best Before: June, 2020

Store in an air tight container; in a cool dry area; away from direct sunlight.

<u>Properties</u>	<u>Specifications</u>	<u>Results</u>
Appearance:	Pale yellow to yellow liquid.	Complies
Odor:	Characteristic odor.	Complies
Solubility:	Insoluble in water.	Complies
Iodine Value:	80 - 100 cg I/g	91.2
Peroxide Value:	< 2.0 meq/kg	1.05
Free Fatty Acid:	< 0.10 %	0.05
Saponification Value:	186 - 194	191.98
Specific Gravity:	0.913 - 0.919 @ 20°C	0.919
Refractive Index:	1.460 - 1.464 @ 40°C	1.464

FATTY ACID PROFILE

Palmitic acid (C:16:0):	4.0 - 6 %	5.59
Stearic acid (C:18:0):	1.5 - 3.5 %	2.80
Cis-oleic acid (C:18:1):	70 - 84 %	73.42
Cis-linoleic acid (C:18:2):	9.0 - 20 %	15.71
Alpha-linolenic (C:18:3):	1.2 % Max.	0.16

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