

CERTIFICATE OF ANALYSIS

Product: Rosehip Carrier Oil (Refined)

Lot #: 15021B11120

Best Before: Nov, 2022

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

<u>Properties</u>	<u>Specifications</u>	<u>Results</u>
Appearance:	Pale yellow to deep golden liquid.	Complies
Odor:	Characteristic neutral odor.	Complies
Solubility:	Insoluble in water.	Complies
Density:	0.920 – 0.931 @ 20°C	0.923
Iodine value:	165 – 190 g I ₂ /100g	170
Free Fatty Acids:	< 1.0 %	0.2
Peroxide value:	< 2.5 meq O ₂ /kg	1.0
Saponification value:	175 – 195 mg KOH/g	182
Unsaponifiables:	< 1.5 %	0.4
Palmitic Acid:	3.0 – 5.0 %	4.6
Stearic Acid:	1.0 – 3.0 %	2.6
Oleic Acid:	13.0 – 18.0 %	16.2
Linoleic Acid:	35.0 – 50.0 %	45.38
Linolenic Acid:	22.0 – 38.0 %	22.2
Arachidic Acid:	< 1.0 %	0.2
Gadoleic Acid:	< 1.0 %	0.2

Disclaimer & Caution

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CERTIFICATE OF ANALYSIS

Product: Rosehip Carrier Oil (Refined)
 Lot #: 15021A10720
 Best Before: July, 2022

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

<u>Properties</u>	<u>Specifications</u>	<u>Results</u>
Appearance:	Pale yellow to deep golden liquid.	Complies
Odor:	Characteristic neutral odor.	Complies
Solubility:	Insoluble in water.	Complies
Density:	0.920 - 0.931 @ 20°C	0.9292
Iodine value:	165 - 190 g I ₂ /100g	Complies
Free Fatty Acids:	< 1.0 %	0.13
Peroxide value:	< 5.0 meq O ₂ /kg	0.85
Saponification value:	175 - 195 mg KOH/g	Complies
Unsaponifiabiles:	< 1.5 %	0.04
Palmitic Acid:	3.0 - 5.0 %	3.76
Stearic Acid:	1.0 - 3.0 %	2.12
Oleic Acid:	13.0 - 18.0 %	16.55
Linoleic Acid:	35.0 - 50.0 %	45.38
Linolenic Acid:	22.0 - 38.0 %	24.58
Arachidic Acid:	< 1.0 %	0.14
Gadoleic Acid:	< 1.0 %	0.18

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CERTIFICATE OF ANALYSIS

Product: Rosehip Carrier Oil (Refined)

Lot #: 15021A10120

Best Before: January, 2022

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

<u>Properties</u>	<u>Specifications</u>	<u>Results</u>
Appearance:	Pale yellow to deep golden liquid.	Complies
Odor:	Characteristic neutral odor.	Complies
Solubility:	Insoluble in water.	Complies
Density:	0.920 – 0.931 @ 20°C	0.922
Iodine value:	165 – 190 g I ₂ /100g	178
Free Fatty Acids:	< 1.0 %	0.049
Peroxide value:	< 2.5 meq O ₂ /kg	0.60
Saponification value:	175 – 195 mg KOH/g	184
Unsaponifiabiles:	< 1.5 %	0.3
Palmitic Acid:	3.0 – 5.0 %	3.59
Stearic Acid:	1.0 – 3.0 %	2.08
Oleic Acid:	13.0 – 18.0 %	14.74
Linoleic Acid:	35.0 – 50.0 %	44.69
Linolenic Acid:	22.0 – 38.0 %	24.58
Arachidic Acid:	< 1.0 %	0.14
Gadoleic Acid:	< 1.0 %	0.18

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CERTIFICATE OF ANALYSIS

Product: Rosehip Carrier Oil (Refined)

Lot #: 15021A10919

Best Before: September, 2021

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

<u>Properties</u>	<u>Specifications</u>	<u>Results</u>
Appearance:	Pale yellow to deep golden liquid.	Complies
Odor:	Characteristic neutral odor.	Complies
Solubility:	Insoluble in water.	Complies
Density:	0.920 – 0.931 @ 20°C	0.922
Iodine value:	165 – 190 g I ₂ /100g	178
Free Fatty Acids:	< 1.0 %	0.05
Peroxide value:	< 2.5 meq O ₂ /kg	1.30
Saponification value:	175 – 195 mg KOH/g	184
Unsaponifiabiles:	< 1.5 %	0.3
Palmitic Acid:	3.0 – 5.0 %	3.67
Stearic Acid:	1.0 – 3.0 %	1.97
Oleic Acid:	13.0 – 18.0 %	15.15
Linoleic Acid:	35.0 – 50.0 %	44.69
Linolenic Acid:	22.0 – 38.0 %	23.53
Arachidic Acid:	< 1.0 %	0.2
Gadoleic Acid:	< 1.0 %	0.19

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CERTIFICATE OF ANALYSIS

Product: Rosehip Carrier Oil (Refined)

Lot #: 15021A10519

Best Before: May, 2021

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

<u>Properties</u>	<u>Specifications</u>	<u>Results</u>
Appearance:	Pale yellow to deep golden liquid.	Complies
Odor:	Characteristic neutral odor.	Complies
Solubility:	Insoluble in water.	Complies
Density:	0.920 – 0.931 @ 20°C	0.922
Iodine value:	165 – 190 g I ₂ /100g	178
Free Fatty Acids:	< 1.0 %	0.05
Peroxide value:	< 2.5 meq O ₂ /kg	0.09
Saponification value:	175 – 195 mg KOH/g	184
Unsaponifiabiles:	< 1.5 %	0.3
Palmitic Acid:	3.0 – 5.0 %	3.66
Stearic Acid:	1.0 – 3.0 %	1.98
Oleic Acid:	13.0 – 18.0 %	15.30
Linoleic Acid:	35.0 – 50.0 %	44.81
Linolenic Acid:	22.0 – 38.0 %	23.49
Arachidic Acid:	< 1.0 %	0.4
Gadoleic Acid:	< 1.0 %	0.1

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CERTIFICATE OF ANALYSIS

Product: Rosehip Carrier Oil (Refined)
 Lot #: 15021A321, 15021B321, 15021C321
 Best Before: February, 2021

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

<u>Properties</u>	<u>Specifications</u>	<u>Results</u>
Appearance:	Pale yellow to deep golden liquid.	Complies
Odor:	Characteristic neutral odor.	Complies
Solubility:	Insoluble in water.	Complies
Density:	0.920 – 0.931 @ 20°C	0.922
Iodine value:	165 – 190 g I ₂ /100g	Complies
Free Fatty Acids:	< 1.0 %	Complies
Peroxide value:	< 2.5 meq O ₂ /kg	Complies
Saponification value:	175 – 195 mg KOH/g	Complies
Unsaponifiabiles:	< 1.5 %	Complies
Palmitic Acid:	3.0 – 5.0 %	Complies
Stearic Acid:	1.0 – 3.0 %	Complies
Oleic Acid:	13.0 – 18.0 %	Complies
Linoleic Acid:	35.0 – 50.0 %	Complies
Linolenic Acid:	22.0 – 38.0 %	Complies
Arachidic Acid:	< 1.0 %	Complies
Gadoleic Acid:	< 1.0 %	Complies

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