

CERTIFICATE OF ANALYSIS

Product: Black Currant Seed Carrier Oil

Lot No: 15056A10121

Best Before: January, 2023

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

<u>Properties</u>	<u>Specifications</u>	<u>Results</u>
Appearance:	Clear bright yellow liquid.	Complies
Odor:	Characteristic oily odor.	Complies
Specific Gravity:	0.915-0.935g/mL	0.9247
Refractive Index:	1.475-1.490	1.4765
Moisture and Volatile:	< 0.5 %	< 0.1
Acid Value:	<2.0 mg KOH/g	0.76
Peroxide Value:	≤ 10.0 meq/kg	1.52
α-Linolenic Acid:	12.0 – 15.0 %	14.3
γ-Linolenic Acid:	≥ 13.0 %	14.0
Linoleic Acid:	43.0 – 49.0 %	48.2
Oleic Acid:	8.0 – 16.0 %	11.2
Stearic Acid:	1.0 – 3.0 %	1.5
Palmitic Acid:	6.0 – 8.0 %	6.3

Disclaimer & Caution

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CERTIFICATE OF ANALYSIS

Product: Black Currant Seed Carrier Oil

Lot No: 15056A11220

Best Before: December, 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:	Clear bright yellow liquid.	Complies
Odor:	Characteristic oily odor.	Complies
Moisture and Volatile:	< 0.20 %	0.10
Acid Value:	<2.0 mg KOH/g	0.48
Peroxide Value:	≤ 10.0 meq/kg	1.8
Unsaponifiable:	≤ 2.0 %	1.0
Saponification Value:	185 – 195 mg/g	191.0
α-Linolenic Acid:	12.0 – 15.0 %	12.6
γ-Linolenic Acid:	≥ 15.0 %	15.0
Linoleic Acid:	43.0 – 49.0 %	44.0
Oleic Acid:	8.0 – 16.0 %	14.3
Stearic Acid:	1.0 – 3.0 %	1.9
Palmitic Acid:	5.5 – 8.0 %	6.0

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CERTIFICATE OF ANALYSIS

Product: Black Currant Seed Carrier Oil

Lot No: 15056A110191

Best Before: October, 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:	Clear pale yellow to golden yellow liquid.	Complies
Odor:	Characteristic oily odor.	Complies
Moisture and Volatile:	< 0.20 %	Complies
Acid Value:	<2.0 mg KOH/g	Complies
Peroxide Value:	≤ 10.0 meq/kg	Complies
Unsaponifiable:	≤ 2.0 %	Complies
Saponification Value:	185 – 195 mg/g	Complies
α-Linolenic Acid:	12.0 – 15.0 %	Complies
γ-Linolenic Acid:	≥ 15.0 %	Complies
Linoleic Acid:	43.0 – 49.0 %	Complies
Oleic Acid:	8.0 – 16.0 %	Complies
Stearic Acid:	1.0 – 3.0 %	Complies
Palmitic Acid:	5.5 – 8.0 %	Complies

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CERTIFICATE OF ANALYSIS

Product: Black Currant Seed Carrier Oil

Lot No: 15056A103192

Best Before: October, 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:	Clear pale yellow to golden yellow liquid.	Complies
Odor:	Characteristic oily odor.	Complies
Moisture and Volatile:	< 0.20 %	Complies
Acid Value:	<2.0 mg KOH/g	Complies
Peroxide Value:	≤ 10.0 meq/kg	Complies
Unsaponifiabiles:	≤ 2.0 %	Complies
Saponification Value:	185 – 195 mg/g	Complies
α-Linolenic Acid:	12.0 – 15.0 %	Complies
γ-Linolenic Acid:	≥ 15.0 %	Complies
Linoleic Acid:	43.0 – 49.0 %	Complies
Oleic Acid:	8.0 – 16.0 %	Complies
Stearic Acid:	1.0 – 3.0 %	Complies
Palmitic Acid:	6.0 – 8.0 %	Complies

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CERTIFICATE OF ANALYSIS

Product: Black Currant Seed Carrier Oil

Lot No: 15056A11019

Best Before: October, 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:	Clear pale yellow to golden yellow liquid.	Complies
Odor:	Characteristic oily odor.	Complies
Moisture and Volatile:	< 0.20 %	0.10
Acid Value:	<2.0 mg KOH/g	0.60
Peroxide Value:	≤ 10.0 meq/kg	1.0
Unsaponifiable:	≤ 2.0 %	1.1
Saponification Value:	185 – 195 mg/g	191.0
α-Linolenic Acid:	12.0 – 15.0 %	13.5
γ-Linolenic Acid:	≥ 15.0 %	15.2
Linoleic Acid:	43.0 – 49.0 %	45.5
Oleic Acid:	8.0 – 16.0 %	13.3
Stearic Acid:	1.0 – 3.0 %	1.6
Palmitic Acid:	5.5 – 8.0 %	5.8

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CERTIFICATE OF ANALYSIS

Product: Black Currant Seed Carrier Oil

Lot No: 15056F112

Best Before: October, 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:	Clear pale yellow to golden yellow liquid.	Complies
Odor:	Characteristic oily odor.	Complies
Moisture and Volatile:	< 0.20 %	Complies
Acid Value:	<2.0 mg KOH/g	Complies
Peroxide Value:	≤ 10.0 meq/kg	Complies
Unsaponifiabiles:	≤ 2.0 %	Complies
Saponification Value:	185 - 195 mg/g	Complies
α-Linolenic Acid:	12.0 - 15.0 %	Complies
γ-Linolenic Acid:	≥ 15.0 %	Complies
Linoleic Acid:	43.0 - 49.0 %	Complies
Oleic Acid:	8.0 - 16.0 %	Complies
Stearic Acid:	1.0 - 3.0 %	Complies
Palmitic Acid:	6.0 - 8.0 %	Complies

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CERTIFICATE OF ANALYSIS

Product: Black Currant Seed Carrier Oil

Lot No: 15056A103191

Best Before: October, 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:	Clear pale yellow to golden yellow liquid.	Complies
Odor:	Characteristic oily odor.	Complies
Moisture and Volatile:	< 0.20 %	Complies
Acid Value:	<2.0 mg KOH/g	Complies
Peroxide Value:	≤ 10.0 meq/kg	Complies
Unsaponifiabiles:	≤ 2.0 %	Complies
Saponification Value:	185 – 195 mg/g	Complies
α-Linolenic Acid:	12.0 – 15.0 %	Complies
γ-Linolenic Acid:	≥ 15.0 %	Complies
Linoleic Acid:	43.0 – 49.0 %	Complies
Oleic Acid:	8.0 – 16.0 %	Complies
Stearic Acid:	1.0 – 3.0 %	Complies
Palmitic Acid:	6.0 – 8.0 %	Complies

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CERTIFICATE OF ANALYSIS

Product: Black Currant Seed Carrier Oil

Lot No: 15056A10319

Best Before: March, 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:	Clear pale yellow to golden yellow liquid.	Complies
Odor:	Characteristic oily odor.	Complies
Moisture and Volatile:	< 0.20 %	0.10
Acid Value:	<2.0 mg KOH/g	0.56
Peroxide Value:	≤ 10.0 meq/kg	0.78
Unsaponifiabiles:	≤ 2.0 %	1.0
Saponification Value:	185 – 195 mg/g	191.0
α-Linolenic Acid:	12.0 – 15.0 %	13.5
γ-Linolenic Acid:	≥ 15.0 %	15.2
Linoleic Acid:	43.0 – 49.0 %	45.7
Oleic Acid:	8.0 – 16.0 %	13.2
Stearic Acid:	1.0 – 3.0 %	1.5
Palmitic Acid:	5.5 – 8.0 %	5.9

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