

CERTIFICATE OF ANALYSIS

Product: Perilla Seed Organic Carrier Oil

Lot No.: 51011B110191

Best Before: October, 2022

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:	Light yellow, clear liquid.	Complies
Odor:	Characteristic odor.	Complies
Solubility:	Insoluble in water.	Complies
Specific Gravity:	0.9120 - 0.9400 @25°C	Complies
Moisture & Volatiles:	≤ 0.1 %	Complies
Acid Value:	≤ 2.0 mg KOH/g	Complies
Peroxide Value:	≤ 10 meq O ₂ / kg	Complies
Unsaponification:	≤ 2.5 %	Complies
Saponification:	184 - 210 mg/g	Complies
Iodine value:	175 - 208 gI/100g	Complies
Refractive Index:	1.4260 - 1.4900 @25°C	Complies
Linoleic Acid:	12 - 20 %	Complies
Oleic Acid:	10 - 18 %	Complies
Stearic Acid:	1 - 4 %	Complies
Palmitic Acid:	4 - 10 %	Complies

Disclaimer & Caution

Please refer to all relevant technical information specific to the product, prior to use. The information contained in this document is obtained from current and reliable sources. New Directions Aromatics Inc. provides the information contained herein, but makes no representation as to its comprehensiveness or accuracy. Individuals receiving this information must exercise their independent judgment in determining its appropriateness for a particular purpose. The user of the product is solely responsible for compliance with all laws and regulations applying to the use of the products, including intellectual property rights of third parties. As the ordinary or otherwise use(s) of this product is outside the control of New Directions Aromatics Inc., no representation or warranty, expressed or implied, is made as to the effect(s) of such use(s), (including damage or injury), or the results obtained. The liability of New Directions Aromatics Inc. is limited to the value of the goods and does not include any consequential loss. New Directions Aromatics Inc. shall not be liable for any errors or delays in the content, or for any actions taken in reliance thereon. New Directions Aromatics Inc. shall not be responsible for any damages resulting from use of or reliance upon this information. In the event of any dispute, the Customer hereby agrees that Jurisdiction is limited to the province of Ontario.

CERTIFICATE OF ANALYSIS

Product: Perilla Seed Organic Carrier Oil

Lot No.: 51011A10720

Best Before: July, 2022

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:	Light yellow, clear liquid.	Complies
Odor:	Characteristic odor.	Complies
Solubility:	Insoluble in water.	Complies
Specific Gravity:	0.9120 - 0.9400 @25°C	0.9340
Moisture & Volatiles:	≤ 0.1 %	0.02
Acid Value:	≤ 2.0 mg KOH/g	0.48
Peroxide Value:	≤ 10 meq O ₂ / kg	1.46
Unsaponification:	≤ 2.5 %	0.94
Saponification:	184 - 210 mg/g	190.82
Iodine value:	175 - 208 gI/100g	204.1
Refractive Index:	1.4260 - 1.4900 @25°C	1.4821
Linoleic Acid:	12 - 20 %	15.63
Oleic Acid:	10 - 18 %	16.84
Stearic Acid:	1 - 4 %	2.08
Palmitic Acid:	4 - 10 %	6.54

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CERTIFICATE OF ANALYSIS

Product: Perilla Seed Organic Carrier Oil

Lot No.: 51011B11019

Best Before: October, 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:	Light yellow, clear liquid.	Complies
Odor:	Characteristic odor.	Complies
Solubility:	Insoluble in water.	Complies
Specific Gravity:	0.9120 – 0.9400 @25°C	0.9340
Moisture & Volatiles:	≤ 0.1 %	0.02
Acid Value:	≤ 2.0 mg KOH/g	0.48
Peroxide Value:	≤ 10 meq O ₂ / kg	1.46
Unsaponification:	≤ 2.5 %	0.94
Saponification:	184 – 210 mg/g	190.82
Iodine value:	175 – 208 gI/100g	204.1
Refractive Index:	1.4260 – 1.4900 @25°C	1.4821
Linoleic Acid:	12 – 20 %	15.63
Oleic Acid:	10 – 18 %	16.84
Stearic Acid:	1 – 4 %	2.08
Palmitic Acid:	4 – 10 %	6.54

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CERTIFICATE OF ANALYSIS

Product: Perilla Seed Organic Carrier Oil

Lot No.: 51011A10719

Best Before: July, 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:	Light yellow, clear liquid.	Complies
Odor:	Characteristic odor.	Complies
Solubility:	Insoluble in water.	Complies
Specific Gravity:	0.9120 - 0.9400 @25°C	0.9340
Moisture & Volatiles:	≤ 0.1 %	0.02
Acid Value:	≤ 2.0 mg KOH/g	0.48
Peroxide Value:	≤ 10 meq O ₂ / kg	1.46
Unsaponification:	≤ 2.5 %	0.94
Saponification:	184 - 210 mg/g	190.82
Iodine value:	175 - 208 gI/100g	204.1
Refractive Index:	1.4260 - 1.4900 @25°C	1.4821
Linoleic Acid:	12 - 20 %	15.63
Oleic Acid:	10 - 18 %	16.84
Stearic Acid:	1 - 4 %	2.08
Palmitic Acid:	4 - 10 %	6.54

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CERTIFICATE OF ANALYSIS

Product: Perilla Seed Organic Carrier Oil

Lot No.: 51011A10319

Best Before: March, 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:	Light yellow, clear liquid.	Complies
Odor:	Characteristic odor.	Complies
Solubility:	Insoluble in water.	Complies
Specific Gravity:	0.9120 - 0.9400 @25°C	0.921
Moisture & Volatiles:	≤ 0.1 %	0.03
Acid Value:	≤ 2.0 mg KOH/g	0.37
Peroxide Value:	≤ 10 meq O ₂ / kg	0.95
Unsaponification:	≤ 2.5 %	1.37
Saponification:	184 - 210 mg/g	190.53
Iodine value:	175 - 208 gI/100g	193.12
Refractive Index:	1.4260 - 1.4900 @25°C	1.4815
Linoleic Acid:	12 - 20 %	15.76
Oleic Acid:	10 - 18 %	11.35
Stearic Acid:	1 - 4 %	1.57
Palmitic Acid:	4 - 10 %	5.63

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CERTIFICATE OF ANALYSIS

Product: Perilla Seed Organic Carrier Oil

Lot No.: 51011A171

Best Before: March, 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:	Light yellow, clear liquid.	Complies
Odor:	Characteristic odor.	Complies
Solubility:	Insoluble in water.	Complies
Specific Gravity:	0.9120 - 0.9400 @25°C	Complies
Moisture & Volatiles:	≤ 0.1 %	Complies
Acid Value:	≤ 2.0 mg KOH/g	Complies
Peroxide Value:	≤ 10 meq O ₂ / kg	Complies
Unsaponification:	≤ 2.5 %	Complies
Saponification:	184 - 210 mg/g	Complies
Iodine value:	175 - 208 gI/100g	Complies
Refractive Index:	1.4260 - 1.4900 @25°C	Complies
Linoleic Acid:	12 - 20 %	Complies
Oleic Acid:	10 - 18 %	Complies
Stearic Acid:	1 - 4 %	Complies
Palmitic Acid:	4 - 10 %	Complies

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