

CERTIFICATE OF ANALYSIS

Product: Maqui Berry Carrier Oil – Unrefined, Filtered

Lot No.: 15108A105201

Best Before: May, 2023

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:	Dark Green liquid.	Complies
Odor:	Characteristic light, pleasant odor.	Complies
Solubility:	Insoluble in water. Soluble in common organic solvents.	Complies
Acid Value:	< 6	Complies
Saponification Value:	180 – 200	Complies
Iodine Value:	110 – 130	Complies
Relative Density:	0.915 – 0.930 @ 20°C	Complies
Refractive Index:	1.4725 – 1.4770 @ 20°C	Complies
Peroxide Value:	< 10 meq O ₂ /kg	Complies
Free Fatty Acids:	< 3 %	Complies
Palmitic acid (C:16:0):	6 – 10 %	Complies
Stearic acid (C:18:0):	1 – 4 %	Complies
Oleic acid (C:18:1):	36 – 44 %	Complies
Linoleic acid (C:18:2):	40 – 50 %	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: Maqui Berry Carrier Oil – Unrefined, Filtered

Lot No.: 15108A107191

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:	Dark Green liquid.	Complies
Odor:	Characteristic light, pleasant odor.	Complies
Solubility:	Insoluble in water. Soluble in common organic solvents.	Complies
Acid Value:	< 6	Complies
Saponification Value:	180 – 200	Complies
Iodine Value:	110 – 130	Complies
Relative Density:	0.915 – 0.930 @ 20°C	Complies
Refractive Index:	1.4725 – 1.4770 @ 20°C	Complies
Peroxide Value:	< 10 meq O ₂ /kg	Complies
Free Fatty Acids:	< 3 %	Complies
Palmitic acid (C:16:0):	6 – 10 %	Complies
Stearic acid (C:18:0):	1 – 4 %	Complies
Oleic acid (C:18:1):	36 – 44 %	Complies
Linoleic acid (C:18:2):	40 – 50 %	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: Maqui Berry Carrier Oil – Unrefined, Filtered

Lot No.: 15108A10520

Best Before: May, 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:	Dark Green liquid.	Complies
Odor:	Characteristic light, pleasant odor.	Complies
Solubility:	Insoluble in water. Soluble in common organic solvents.	Complies
Acid Value:	< 6	Complies
Saponification Value:	180 – 200	Complies
Iodine Value:	110 – 130	Complies
Relative Density:	0.915 – 0.930 @ 20°C	Complies
Refractive Index:	1.4725 – 1.4770 @ 20°C	1.4761
Peroxide Value:	< 10 meq O ₂ /kg	6.0
Free Fatty Acids:	< 3 %	0.56
Palmitic acid (C:16:0):	6 – 10 %	6.40
Stearic acid (C:18:0):	1 – 4 %	2.10
Oleic acid (C:18:1):	36 – 44 %	41.40
Linoleic acid (C:18:2):	40 – 50 %	47.90

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: Maqui Berry Carrier Oil – Unrefined, Filtered
 Lot No.: 15108A10719
 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:	Dark Green liquid.	Complies
Odor:	Characteristic light, pleasant odor.	Complies
Solubility:	Insoluble in water. Soluble in common organic solvents.	Complies
Acid Value:	< 6	Complies
Saponification Value:	180 – 200	Complies
Iodine Value:	110 – 130	Complies
Relative Density:	0.915 – 0.930 @ 20°C	Complies
Refractive Index:	1.4725 – 1.4770 @ 20°C	1.4764
Peroxide Value:	< 10 meq O ₂ /kg	0.7
Free Fatty Acids:	< 3 %	0.4
Palmitic acid (C:16:0):	6 – 10 %	6.30
Stearic acid (C:18:0):	1 – 4 %	2.10
Oleic acid (C:18:1):	36 – 44 %	41.40
Linoleic acid (C:18:2):	40 – 50 %	47.80

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.