

## CERTIFICATE OF ANALYSIS

**Product:** Rosehip Organic Carrier Oil

**Product Lot No:** 51004A11220

**Best Before Date:** December, 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:	Yellow to Orange liquid.	Complies
Odor:	Characteristic, light, pleasant	Complies
Solubility:	Insoluble in water.	Complies
Relative Density:	0.915 – 0.930@ 25°C	Complies
Refractive Index:	1.4700 – 1.4812 @ 25°C	1.4810
Free Fatty Acids:	0.5 % max	0.35
Peroxide Value:	Max. 8 meq O <sub>2</sub> / kg oil	1.9
Saponification Value:	185 – 209	Complies
Moisture & Volatiles:	0.1 % max.	Complies
Palmitic Acid:	3 – 8 %	3.8
Stearic Acid:	1 – 3 %	2.4
Oleic Acid:	13 – 15 %	13.8
Linoleic Acid:	41 – 51 %	45.1
γ-Linolenic Acid:	28 – 38 %	33.2

### 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: Rosehip Organic Carrier Oil  
 Product Lot No: 51004A107191  
 Best Before Date: 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:	Yellow to Orange liquid.	Complies
Odor:	Characteristic, light, pleasant	Complies
Solubility:	Insoluble in water.	Complies
Relative Density:	0.915 - 0.930 @ 25°C	Complies
Refractive Index:	1.4700 - 1.4812 @ 25°C	Complies
Free Fatty Acids:	0.5 % max	Complies
Peroxide Value:	Max. 8 meq O <sub>2</sub> / kg oil	Complies
Saponification Value:	185 - 209	Complies
Moisture & Volatiles:	0.1 % max.	Complies
Palmitic Acid:	3 - 8 %	Complies
Stearic Acid:	1 - 3 %	Complies
Oleic Acid	13 - 15 %	Complies
Linoleic Acid:	41 - 51 %	Complies
γ-Linolenic Acid:	28 - 38 %	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:** Rosehip Organic Carrier Oil

**Product Lot No:** 51004A192

**Best Before Date:** 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:	Yellow to Orange liquid.	Complies
Odor:	Characteristic, light, pleasant	Complies
Solubility:	Insoluble in water.	Complies
Relative Density:	0.915 – 0.930@ 25°C	Complies
Refractive Index:	1.4700 – 1.4812 @ 25°C	Complies
Free Fatty Acids:	0.5 % max	Complies
Peroxide Value:	Max. 8 meq O <sub>2</sub> / kg oil	Complies
Saponification Value:	185 – 209	Complies
Moisture & Volatiles:	0.1 % max.	Complies
Palmitic Acid:	3 – 8 %	Complies
Stearic Acid:	1 – 3 %	Complies
Oleic Acid	13 – 15 %	Complies
Linoleic Acid:	41 – 51 %	Complies
γ-Linolenic Acid:	28 – 38 %	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:** Rosehip Organic Carrier Oil

**Product Lot No:** 51004A10719

**Best Before Date:** 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:	Yellow to Orange liquid.	Complies
Odor:	Characteristic, light, pleasant	Complies
Solubility:	Insoluble in water.	Complies
Relative Density:	0.915 – 0.930@ 25°C	Complies
Refractive Index:	1.4700 – 1.4812 @ 25°C	1.4807
Free Fatty Acids:	0.5 % max	0.42
Peroxide Value:	Max. 8 meq O <sub>2</sub> / kg oil	1.4
Saponification Value:	185 – 209	Complies
Moisture & Volatiles:	0.1 % max.	Complies
Palmitic Acid:	3 – 8 %	3.60
Stearic Acid:	1 – 3 %	2.40
Oleic Acid	13 – 15 %	14.0
Linoleic Acid:	41 – 51 %	45.70
γ-Linolenic Acid:	28 – 38 %	32.50

### 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:** Rosehip Organic Carrier Oil

**Product Lot No:** 51004A191

**Best Before Date:** 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:	Yellow to Orange liquid.	Complies
Odor:	Characteristic, light, pleasant	Complies
Solubility:	Insoluble in water.	Complies
Relative Density:	0.915 - 0.930@ 25°C	Complies
Refractive Index:	1.4700 - 1.4812 @ 25°C	Complies
Free Fatty Acids:	0.5 % max	Complies
Peroxide Value:	Max. 8 meq O <sub>2</sub> / kg oil	Complies
Saponification Value:	185 - 209	Complies
Moisture & Volatiles:	0.1 % max.	Complies
Palmitic Acid:	3 - 8 %	Complies
Stearic Acid:	1 - 3 %	Complies
Oleic Acid	13 - 15 %	Complies
Linoleic Acid:	41 - 51 %	Complies
γ-Linolenic Acid:	28 - 38 %	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:** Rosehip Organic Carrier Oil  
**Product Lot No:** 51004A181, 51004B181, 51004C181, 51004D181, 51004E181,  
 51004F181, 51004G181, 51004H181, 51004I181, 51004J181,  
 51004K181, 51004L181  
**Best Before Date:** April, 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:	Yellow to Orange liquid.	Complies
Odor:	Characteristic, light, pleasant	Complies
Solubility:	Insoluble in water.	Complies
Relative Density:	0.915 – 0.930@ 25°C	0.930
Refractive Index:	1.4700 – 1.4812 @ 25°C	1.4803
Free Fatty Acids:	0.5 % max	Complies
Peroxide Value:	Max. 8 meq O <sub>2</sub> / kg oil	Complies
Saponification Value:	185 – 209	Complies
Moisture & Volatiles:	0.1 % max.	Complies
Palmitic Acid:	3 – 8 %	Complies
Stearic Acid:	1 – 3 %	Complies
Oleic Acid	13 – 15 %	Complies
Linoleic Acid:	41 – 51 %	Complies
γ-Linolenic Acid:	28 – 38 %	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:** Rosehip Organic Carrier Oil  
**Product Lot No:** 51004-A19  
**Best Before Date:** September, 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:	Yellow to Orange liquid.	Complies
Odor:	Characteristic, light, pleasant	Complies
Solubility:	Insoluble in water.	Complies
Relative Density:	0.915 – 0.930@ 25°C	0.922
Refractive Index:	1.4700 – 1.4812 @ 25°C	1.4807
Free Fatty Acids:	0.5 % max	0.30
Peroxide Value:	Max. 8 meq O <sub>2</sub> / kg oil	4.2
Saponification Value:	185 – 209	192
Moisture & Volatiles:	0.1 % max.	Complies
Palmitic Acid:	3 – 8 %	3.6
Stearic Acid:	1 – 3 %	2.2
Oleic Acid	13 – 15 %	14.0
Linoleic Acid:	41 – 51 %	45.5
γ-Linolenic Acid:	28 – 38 %	32.3

### 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.