

CERTIFICATE OF ANALYSIS

Product: Jojoba Golden Carrier Oil

Lot No: 15013B10819

Best Before Date: February, 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:	Golden to brownish yellow liquid wax.	Complies
Odor:	Characteristic neutral odor.	Complies
Solubility:	Insoluble in water.	Complies
Specific Gravity:	0.863 to 0.873 @ 25°C	0.867
Refractive Index:	1.465 to 1.467 @ 20°C	1.467
Peroxide Value:	< 2 meq/kg	1.0
Acid Value:	< 1 mg KOH/g	0.3
Iodine Value:	80 - 92 Mgl ₂ /g	86.7
Unsaponifiable Matter:	45 - 55 %	46.3
Saponification Value:	85 - 98 mg KOH/g	87.9
C16:0, Palmitic Acid:	< 3 %	1.45
C18:1, Oleic Acid:	5 - 15 %	11.9
C20:1, Gandoic Acid:	60 - 80 %	68.54
C22:1, Erucic Acid:	10 - 20 %	15.79
C24:1, Nervonic Acid:	< 3 %	1.8

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: Jojoba Golden Carrier Oil

Lot No: 15013A10519

Best Before Date: February, 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:	Golden to brownish yellow liquid wax.	Complies
Odor:	Characteristic neutral odor.	Complies
Solubility:	Insoluble in water.	Complies
Specific Gravity:	0.863 to 0.873 @ 20°C	0.867
Refractive Index:	1.465 to 1.467 @ 20°C	1.467
Peroxide Value:	< 2 meq/kg	1.0
Acid Value:	< 1 mg KOH/g	0.4
Iodine Value:	80 - 92 Mgl ₂ /g	86.8
Unsaponifiable Matter:	45 - 55 %	47.0
Saponification Value:	85 - 98 mg KOH/g	89.4
C16:0, Palmitic Acid:	< 3 %	1.35
C18:1, Oleic Acid:	5 - 15 %	11.28
C20:1, Gandoic Acid:	60 - 80 %	68.75
C22:1, Erucic Acid:	10 - 20 %	15.89
C24:1, Nervonic Acid:	< 3 %	2.2

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: Jojoba Golden Carrier Oil
Lot No: 15013A431
Best Before Date: August, 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:	Golden to brownish yellow liquid wax.	Complies
Odor:	Characteristic neutral odor.	Complies
Solubility:	Insoluble in water.	Complies
Specific Gravity:	0.852 to 0.869 @ 25°C	Complies
Refractive Index:	1.460 to 1.468 @ 20°C	1.4663
Peroxide Value:	< 2 meq/kg	Complies
Acid Value:	< 1 mg KOH/g	Complies
Iodine Value:	79 - 90	Complies
Unsaponifiable Matter:	< 55 %	Complies
Saponification Value:	88 - 96 KOH/g	Complies
C16:0, Palmitic Acid:	< 3 %	Complies
C18:1, Oleic Acid:	< 15 %	Complies
C18:2, Gadoleic Acid:	< 80 %	Complies
C22:1, Erucic Acid:	< 20 %	Complies
C24:1, Nervonic Acid:	< 3 %	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: Jojoba Golden Carrier Oil

Lot No: 15013A421

Best Before Date: June, 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:	Golden to brownish yellow liquid wax.	Complies
Odor:	Characteristic neutral odor.	Complies
Solubility:	Insoluble in water.	Complies
Specific Gravity:	0.852 to 0.869 @ 25°C	Complies
Refractive Index:	1.460 to 1.468 @ 20°C	1.4663
Peroxide Value:	< 2 meq/kg	Complies
Acid Value:	< 1 mg KOH/g	Complies
Iodine Value:	79 - 90	Complies
Unsaponifiable Matter:	< 55 %	Complies
Saponification Value:	88 - 96 KOH/g	Complies
C16:0, Palmitic Acid:	< 3 %	Complies
C18:1, Oleic Acid:	< 15 %	Complies
C18:2, Gadoleic Acid:	< 80 %	Complies
C22:1, Erucic Acid:	< 20 %	Complies
C24:1, Nervonic Acid:	< 3 %	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: Jojoba Golden Carrier Oil
Lot No: 15013A411, 15013B411, 15013C411, 15013D411, 15013E411, 15013F411, 15013G411, 15013H411
Best Before Date: 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:	Golden to brownish yellow liquid wax.	Complies
Odor:	Characteristic neutral odor.	Complies
Solubility:	Insoluble in water.	Complies
Specific Gravity:	0.852 to 0.869 @ 25°C	0.865
Refractive Index:	1.460 to 1.468 @ 20°C	1.4663
Peroxide Value:	< 2 meq/kg	Complies
Acid Value:	< 1 mg KOH/g	Complies
Iodine Value:	79 - 90	Complies
Unsaponifiable Matter:	< 55 %	Complies
Saponification Value:	88 - 96 KOH/g	Complies
C16:0, Palmitic Acid:	< 3 %	Complies
C18:1, Oleic Acid:	< 15 %	Complies
C18:2, Gadoleic Acid:	< 80 %	Complies
C22:1, Erucic Acid:	< 20 %	Complies
C24:1, Nervonic Acid:	< 3 %	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: Jojoba Golden Carrier Oil
Lot No: 15013-A43
Best Before Date: August, 2020
 Store in air tight containers, in a cool dry area, away from direct sunlight.

<u>Properties</u>	<u>Specifications</u>	<u>Results</u>
Appearance:	Golden to brownish yellow liquid wax.	Complies
Odor:	Characteristic neutral odor.	Complies
Solubility:	Insoluble in water.	Complies
Specific Gravity:	0.852 to 0.869 @ 25°C	0.8679
Refractive Index:	1.460 to 1.468 @ 20°C	1.4650
Peroxide Value:	< 2 meq/kg	0.20
Acid Value:	< 1 mg KOH/g	0.70
Iodine Value:	79 - 90	82.0
Unsaponifiable Matter:	< 55 %	49.3
Saponification Value:	88 - 96 KOH/g	92.1
C16:0, Palmitic Acid:	< 3 %	1.2
C18:1, Oleic Acid:	< 15 %	10.6
C18:2, Gadoleic Acid:	< 80 %	70.6
C22:1, Erucic Acid:	< 20 %	14.8
C24:1, Nervonic Acid:	< 3 %	1.5

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: Jojoba Golden Carrier Oil

Lot No: 15013-A42

Best Before Date: June, 2020

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

<u>Properties</u>	<u>Specifications</u>	<u>Results</u>
Appearance:	Golden to brownish yellow liquid wax.	Complies
Odor:	Characteristic neutral odor.	Complies
Solubility:	Insoluble in water.	Complies
Specific Gravity:	0.852 to 0.869 @ 25°C	0.8659
Refractive Index:	1.460 to 1.468 @ 20°C	1.4662
Peroxide Value:	< 2 meq/kg	1.0
Acid Value:	< 1 mg KOH/g	0.57
Iodine Value:	79 - 90	82.9
Unsaponifiable Matter:	< 55 %	50.5
Saponification Value:	88 - 96 KOH/g	90.3
C16:0, Palmitic Acid:	< 3 %	1.2
C18:1, Oleic Acid:	< 15 %	10.4
C18:2, Gadoleic Acid:	< 80 %	70.9
C22:1, Erucic Acid:	< 20 %	15.0
C24:1, Nervonic Acid:	< 3 %	1.6

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: Jojoba Golden Carrier Oil
Lot No: 15013-A41,B41,C41,D41,E41,F41,G41,H41
Best Before Date: March, 2020
 Store in air tight containers, in a cool dry area, away from direct sunlight.

<u>Properties</u>	<u>Specifications</u>	<u>Results</u>
Appearance:	Golden to brownish yellow liquid wax.	Complies
Odor:	Characteristic neutral odor.	Complies
Solubility:	Insoluble in water.	Complies
Specific Gravity:	0.852 to 0.869 @ 25°C	0.8653
Refractive Index:	1.460 to 1.468 @ 20°C	1.4655
Peroxide Value:	< 2 meq/kg	1.0
Acid Value:	< 1 mg KOH/g	0.7
Iodine Value:	79 - 90	82.0
Unsaponifiable Matter:	< 55 %	49.8
Saponification Value:	88 - 96 KOH/g	94.6
C16:0, Palmitic Acid:	< 3 %	1.3
C18:1, Oleic Acid:	< 15 %	10.0
C18:2, Gadoleic Acid:	< 80 %	70.1
C22:1, Erucic Acid:	< 20 %	15.8
C24:1, Nervonic Acid:	< 3 %	1.7

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: Jojoba Golden Carrier Oil

Lot No: 15013-A40,B40

Best Before Date: January, 2020

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

<u>Properties</u>	<u>Specifications</u>	<u>Results</u>
Appearance:	Golden to brownish yellow liquid wax.	Complies
Odor:	Characteristic neutral odor.	Complies
Solubility:	Insoluble in water.	Complies
Specific Gravity:	0.852 to 0.869 @ 25°C	0.8664
Refractive Index:	1.460 to 1.468 @ 20°C	1.4662
Peroxide Value:	< 2 meq/kg	0.02
Acid Value:	< 1 mg KOH/g	0.41
Iodine Value:	79 - 90	84.2
Unsaponifiable Matter:	< 55 %	50.0
Saponification Value:	88 - 96 KOH/g	94.5
C16:0, Palmitic Acid:	< 3 %	1.2
C18:1, Oleic Acid:	< 15 %	9.7
C18:2, Gadoleic Acid:	< 80 %	71.6
C22:1, Erucic Acid:	< 20 %	15.1
C24:1, Nervonic Acid:	< 3 %	1.6

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: Jojoba Golden Carrier Oil
Lot No: 15013-A39
Best Before Date: January, 2020
 Store in air tight containers, in a cool dry area, away from direct sunlight.

<u>Properties</u>	<u>Specifications</u>	<u>Results</u>
Appearance:	Golden to brownish yellow liquid wax.	Complies
Odor:	Characteristic neutral odor.	Complies
Solubility:	Insoluble in water.	Complies
Specific Gravity:	0.852 to 0.869 @ 25°C	0.8672
Refractive Index:	1.460 to 1.468 @ 20°C	1.4661
Peroxide Value:	< 2 meq/kg	0.20
Acid Value:	< 1 mg KOH/g	0.51
Iodine Value:	79 - 90	83.7
Unsaponifiable Matter:	< 55 %	50.7
Saponification Value:	88 - 96 KOH/g	90.7
C16:0, Palmitic Acid:	< 3 %	1.3
C18:1, Oleic Acid:	< 15 %	11.0
C18:2, Gadoleic Acid:	< 80 %	70.9
C22:1, Erucic Acid:	< 20 %	14.1
C24:1, Nervonic Acid:	< 3 %	1.5

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.