

CERTIFICATE OF ANALYSIS

Product: Bergamot Bergaptene-Free (Calabrian) Essential Oil
Lot No.: 11227A110191
Best Before: October, 2022
Store in air tight container; in a cool dry area; away from direct sunlight.

<u>Properties</u>	<u>Specifications</u>	<u>Results</u>
Appearance:	Colorless to pale green-yellow.	Complies
Odor:	Fresh and citrusy odor.	Complies
Solubility:	Soluble in alcohol and oils. Insoluble in water.	Complies
Specific Gravity:	0.866 to 0.878 @ 20°C	Complies
Optical Rotation:	+20° to +40° @ 20°C	Complies
Refractive Index:	1.462 to 1.468 @ 20°C	Complies
Limonene:	30 - 45 %	Complies
Linalyl Acetate:	22 - 36 %	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: Bergamot Bergaptene-Free (Calabrian) Essential Oil
Lot No.: 11227A10520
Best Before: May, 2022
Store in air tight container; in a cool dry area; away from direct sunlight.

<u>Properties</u>	<u>Specifications</u>	<u>Results</u>
Appearance:	Colorless to pale green-yellow.	Complies
Odor:	Fresh and citrusy odor.	Complies
Solubility:	Soluble in alcohol and oils. Insoluble in water.	Complies
Specific Gravity:	0.866 to 0.878 @ 20°C	0.868
Optical Rotation:	+20° to +40° @ 20°C	+29.5°
Refractive Index:	1.462 to 1.468 @ 20°C	1.464
Limonene:	30 - 45 %	39.4
Linalyl Acetate:	22 - 36 %	28.8

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CERTIFICATE OF ANALYSIS

Product: Bergamot Bergaptene-Free (Calabrian) Essential Oil
Lot No.: 11227A11019
Best Before: October, 2021
Store in air tight container; in a cool dry area; away from direct sunlight.

<u>Properties</u>	<u>Specifications</u>	<u>Results</u>
Appearance:	Colorless to pale green-yellow.	Complies
Odor:	Fresh and citrusy odor.	Complies
Solubility:	Soluble in alcohol and oils. Insoluble in water.	Complies
Specific Gravity:	0.866 to 0.878 @ 20°C	0.869
Optical Rotation:	+20° to +40° @ 20°C	+29.6°
Refractive Index:	1.462 to 1.468 @ 20°C	1.464
Limonene:	30 - 45 %	39.6
Linalyl Acetate:	22 - 36 %	28.5

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CERTIFICATE OF ANALYSIS

Product: Bergamot Bergaptene-Free (Calabrian) Essential Oil
Lot No.: 11227B10619
Best Before: June, 2021
Store in air tight container; in a cool dry area; away from direct sunlight.

<u>Properties</u>	<u>Specifications</u>	<u>Results</u>
Appearance:	Colorless to pale green-yellow.	Complies
Odor:	Fresh and citrusy odor.	Complies
Solubility:	Soluble in alcohol and oils. Insoluble in water.	Complies
Specific Gravity:	0.866 to 0.878 @ 20°C	0.869
Optical Rotation:	+20° to +40° @ 20°C	+29.5°
Refractive Index:	1.462 to 1.468 @ 20°C	1.464
Limonene:	30 - 45 %	39.8
Linalyl Acetate:	22 - 36 %	27.8

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CERTIFICATE OF ANALYSIS

Product: Bergamot Bergaptene-Free (Calabrian) Essential Oil
Lot No.: 11227A10519
Best Before: May, 2021
Store in air tight container; in a cool dry area; away from direct sunlight.

<u>Properties</u>	<u>Specifications</u>	<u>Results</u>
Appearance:	Colorless to pale green-yellow.	Complies
Odor:	Fresh and citrusy odor.	Complies
Solubility:	Soluble in alcohol and oils. Insoluble in water.	Complies
Specific Gravity:	0.866 to 0.878 @ 20°C	0.868
Optical Rotation:	+20° to +40° @ 20°C	+30.4°
Refractive Index:	1.462 to 1.468 @ 20°C	1.464
Limonene:	30 - 45 %	39.0
Linalyl Acetate:	22 - 36 %	27.6

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