

CERTIFICATE OF ANALYSIS

Product: Bergamot Calabrian Essential Oil  
Lot No.: 11009D582, 11009B582  
Best Before: June, 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:	Light yellowish green to yellowish brown liquid.	Complies
Odor:	Fragrant sweet-fruity odor.	Complies
Solubility:	Soluble in alcohol and oils. Insoluble in water.	Complies
Specific Gravity:	0.874 to 0.883 @ 20°C	Complies
Optical Rotation:	+15° to +32° @ 20°C	Complies
Refractive Index:	1.4650 to 1.470 @ 20°C	Complies
Limonene:	30 - 45 %	Complies
Linalool:	3 - 15 %	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 Calabrian Essential Oil  
**Lot No.:** 11009A10520  
**Best Before:** May, 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:	Light yellowish green to yellowish brown liquid.	Complies
Odor:	Fragrant sweet-fruity odor.	Complies
Solubility:	Soluble in alcohol and oils. Insoluble in water.	Complies
Specific Gravity:	0.874 to 0.883 @ 20°C	0.872
Optical Rotation:	+15° to +32° @ 20°C	+27.9°
Refractive Index:	1.4650 to 1.470 @ 20°C	1.465
Limonene:	30 - 45 %	37.3
Linalool:	3 - 15 %	10.6
Linalyl Acetate:	22 - 36 %	29.1

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## CERTIFICATE OF ANALYSIS

**Product:** Bergamot Calabrian Essential Oil  
**Lot No.:** 11009A572, 11009C572, 11009D572, 11009F572  
**Best Before:** April, 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:	Light yellowish green to yellowish brown liquid.	Complies
Odor:	Fragrant sweet-fruity odor.	Complies
Solubility:	Soluble in alcohol and oils. Insoluble in water.	Complies
Specific Gravity:	0.874 to 0.883 @ 20°C	Complies
Optical Rotation:	+15° to +32° @ 20°C	Complies
Refractive Index:	1.4650 to 1.470 @ 20°C	Complies
Limonene:	30 - 45 %	Complies
Linalool:	3 - 15 %	Complies
Linalyl Acetate:	22 - 36 %	Complies

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CERTIFICATE OF ANALYSIS

Product: Bergamot Calabrian Essential Oil  
Lot No.: 11009A581, 11009B581, 11009C581, 11009D581  
Best Before: 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:	Light yellowish green to yellowish brown liquid.	Complies
Odor:	Fragrant sweet-fruity odor.	Complies
Solubility:	Soluble in alcohol and oils. Insoluble in water.	Complies
Specific Gravity:	0.874 to 0.883 @ 20°C	0.874
Optical Rotation:	+15° to +32° @ 20°C	Complies
Refractive Index:	1.4650 to 1.470 @ 20°C	1.4669
Limonene:	30 - 45 %	Complies
Linalool:	3 - 15 %	Complies
Linalyl Acetate:	22 - 36 %	Complies

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CERTIFICATE OF ANALYSIS

Product: Bergamot Calabrian Essential Oil  
Lot No.: 11009A571, 11009B571, 11009C571, 11009D571, 11009E571, 11009F571  
Best Before: April, 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:	Light yellowish green to yellowish brown liquid.	Complies
Odor:	Fragrant sweet-fruity odor.	Complies
Solubility:	Soluble in alcohol and oils. Insoluble in water.	Complies
Specific Gravity:	0.874 to 0.883 @ 20°C	0.876
Optical Rotation:	+15° to +32° @ 20°C	Complies
Refractive Index:	1.4650 to 1.470 @ 20°C	1.4657
Limonene:	30 - 45 %	Complies
Linalool:	3 - 15 %	Complies
Linalyl Acetate:	22 - 36 %	Complies

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CERTIFICATE OF ANALYSIS

Product: Bergamot Calabrian Essential Oil

Lot No.: 11009C561

Best Before: April, 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:	Light yellowish green to yellowish brown liquid.	Complies
Odor:	Fragrant sweet-fruity odor.	Complies
Solubility:	Soluble in alcohol and oils. Insoluble in water.	Complies
Specific Gravity:	0.874 to 0.883 @ 20°C	0.874
Optical Rotation:	+15° to +32° @ 20°C	Complies
Refractive Index:	1.4650 to 1.470 @ 20°C	1.4658
Limonene:	30 - 45 %	Complies
Linalool:	3 - 15 %	Complies
Linalyl Acetate:	22 - 36 %	Complies

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