

CERTIFICATE OF ANALYSIS

Product: Eucalyptus Lemon Essential Oil (Brazil)
Lot No.: 11320A10520
Best Before: May, 2022

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

<u>Properties</u>	<u>Specifications</u>	<u>Results</u>
Appearance:	Colorless to pale yellow liquid.	Complies
Odor:	Characteristic citronella odor.	Complies
Solubility:	Soluble in ethanol. Insoluble in water.	Complies
Specific Gravity:	0.860 to 0.870 @ 20°C	Complies
Optical Rotation:	-3.0° to +3.0° @ 20°C	Complies
Refractive Index:	1.448 to 1.460 @ 20°C	Complies
Citronellal Content:	> 70 %	76.9023
Citronellol Content:	< 11 %	8.2600

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: Eucalyptus Lemon Essential Oil (Brazil)

Lot No.: 11320A041

Best Before: September, 2021

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

<u>Properties</u>	<u>Specifications</u>	<u>Results</u>
Appearance:	Colorless to pale yellow liquid.	Complies
Odor:	Characteristic citronella odor.	Complies
Solubility:	Soluble in ethanol. Insoluble in water.	Complies
Specific Gravity:	0.860 to 0.870 @ 20°C	Complies
Optical Rotation:	-3.0° to +3.0° @ 20°C	Complies
Refractive Index:	1.448 to 1.460 @ 20°C	1.4525
Citronellal Content:	> 70 %	Complies
Citronellol Content:	< 11 %	Complies

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CERTIFICATE OF ANALYSIS

Product: Eucalyptus Lemon Essential Oil (Brazil)
Lot No.: 11320A10819
Best Before: August, 2021

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

<u>Properties</u>	<u>Specifications</u>	<u>Results</u>
Appearance:	Colorless to pale yellow liquid.	Complies
Odor:	Characteristic citronella odor.	Complies
Solubility:	Soluble in ethanol. Insoluble in water.	Complies
Specific Gravity:	0.860 to 0.870 @ 20°C	Complies
Optical Rotation:	-3.0° to +3.0° @ 20°C	Complies
Refractive Index:	1.448 to 1.460 @ 20°C	Complies
Citronellal Content:	> 70 %	75.98
Citronellol Content:	< 11 %	8.03

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CERTIFICATE OF ANALYSIS

Product: Eucalyptus Lemon Essential Oil (Brazil)
Lot No.: 11320A031
Best Before: August, 2021

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

<u>Properties</u>	<u>Specifications</u>	<u>Results</u>
Appearance:	Colorless to pale yellow liquid.	Complies
Odor:	Characteristic citronella odor.	Complies
Solubility:	Soluble in ethanol. Insoluble in water.	Complies
Specific Gravity:	0.860 to 0.870 @ 20°C	Complies
Optical Rotation:	-3.0° to +3.0° @ 20°C	Complies
Refractive Index:	1.448 to 1.460 @ 20°C	1.4525
Citronellal Content:	> 70 %	Complies
Citronellol Content:	< 11 %	Complies

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CERTIFICATE OF ANALYSIS

Product: Eucalyptus Lemon Essential Oil (Brazil)

Lot No.: 11320 - A04

Best Before: September, 2020

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

<u>Properties</u>	<u>Specifications</u>	<u>Results</u>
Appearance:	Colorless to pale yellow liquid.	Complies
Odor:	Characteristic citronella odor.	Complies
Solubility:	Soluble in ethanol. Insoluble in water.	Complies
Specific Gravity:	0.860 to 0.870 @ 20°C	0.870
Optical Rotation:	-3.0° to +3.0° @ 20°C	Complies
Refractive Index:	1.448 to 1.460 @ 20°C	1.4527
Citronellal Content:	> 70 %	78.26
Citronellol Content:	< 11 %	8.86

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CERTIFICATE OF ANALYSIS

Product: Eucalyptus Lemon Essential Oil (Brazil)

Lot No.: 11320 - A03

Best Before: August, 2020

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

<u>Properties</u>	<u>Specifications</u>	<u>Results</u>
Appearance:	Colorless to pale yellow liquid.	Complies
Odor:	Characteristic citronella odor.	Complies
Solubility:	Soluble in ethanol. Insoluble in water.	Complies
Specific Gravity:	0.860 to 0.870 @ 20°C	0.860
Optical Rotation:	-3.0° to +3.0° @ 20°C	Complies
Refractive Index:	1.448 to 1.460 @ 20°C	1.4524
Citronellal Content:	> 70 %	78.48
Citronellol Content:	< 11 %	7.72

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