

CERTIFICATE OF ANALYSIS

Product: Basil Essential Oil (India)

Lot No.: 11006A10720

Best Before: March, 2023

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

<u>Properties</u>	<u>Specifications</u>	<u>Results</u>
Appearance:	Yellow to dark yellow liquid.	Complies
Odor:	Characteristic Basil odor.	Complies
Solubility:	Soluble in 3.5 vol of 90 % alcohol.	Complies
Specific Gravity:	0.905 to 0.955 @ 20°C	0.925
Refractive Index:	1.487 to 1.515 @ 20°C	1.505
Optical Rotation:	@ 20°C	-7.5°
Methyl Chavicol:	70 - 76 %	73.0
Linalool:	16 - 19 %	17.5
Total Terpenes:	1.7 - 3.5 %	2.8

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.

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Product: Basil Essential Oil (India)

Lot No.: 11006A10520

Best Before: March, 2023

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

<u>Properties</u>	<u>Specifications</u>	<u>Results</u>
Appearance:	Yellow to dark yellow liquid.	Complies
Odor:	Characteristic Basil odor.	Complies
Solubility:	Soluble in 3.5 vol of 90 % alcohol.	Complies
Specific Gravity:	0.905 to 0.955 @ 20°C	0.925
Refractive Index:	1.487 to 1.515 @ 20°C	1.505
Optical Rotation:	@ 20°C	-7.8°
Methyl Chavicol:	70 - 76 %	73.25
Linalool:	16 - 19 %	18.10
Total Terpenes:	1.7 - 3.5 %	2.85

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CERTIFICATE OF ANALYSIS

Product: Basil Essential Oil (India)

Lot No.: 11006A10120

Best Before: October, 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:	Yellow to dark yellow liquid.	Complies
Odor:	Characteristic Basil odor.	Complies
Solubility:	Soluble in 3.5 vol of 90 % alcohol.	Complies
Specific Gravity:	0.905 to 0.955 @ 20°C	0.925
Refractive Index:	1.487 to 1.515 @ 20°C	1.505
Optical Rotation:	@ 20°C	-7.5°
Methyl Chavicol:	70 - 76 %	73.0
Linalool:	16 - 19 %	17.5
Total Terpenes:	1.7 - 3.5 %	2.8

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CERTIFICATE OF ANALYSIS

Product: Basil Essential Oil (India)

Lot No.: 11006A301

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:	Yellow to pale yellow liquid.	Complies
Odor:	Typical odor of Chavicol.	Complies
Solubility:	Soluble in 3.5 vol of 70 % alcohol.	Complies
Specific Gravity:	0.900 to 0.960 @ 25°C	0.901
Refractive Index:	1.470 to 1.530 @ 25°C	1.474
Optical Rotation:	-15.0° to 0° @ 25°C	Complies
Methyl Chavicol:	65 - 75 %	74.50
Linalool:	15 - 25 %	18.25

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CERTIFICATE OF ANALYSIS

Product: Basil Essential Oil (India)

Lot No.: 11006A10819

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:	Yellow to dark yellow liquid.	Complies
Odor:	Characteristic Basil odor.	Complies
Solubility:	Soluble in 3.5 vol of 90 % alcohol.	Complies
Specific Gravity:	0.905 to 0.955 @ 20°C	0.925
Refractive Index:	1.487 to 1.515 @ 20°C	1.505
Optical Rotation:	@ 20°C	-7.5°
Methyl Chavicol:	70 - 76 %	75.30
Linalool:	16 - 19 %	18.25
Total Terpenes:	1.7 - 3.5 %	2.8

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CERTIFICATE OF ANALYSIS

Product: Basil Essential Oil (India)

Lot No.: 11006-A30

Best Before: December, 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:	Yellow to pale yellow liquid.	Complies
Odor:	Typical odor of Chavicol.	Complies
Solubility:	Soluble in 3.5 vol of 70 % alcohol.	Complies
Specific Gravity:	0.900 to 0.960 @ 25°C	0.901
Refractive Index:	1.470 to 1.530 @ 25°C	1.474
Optical Rotation:	-15.0° to 0° @ 25°C	Complies
Methyl Chavicol:	65 - 75 %	74.50
Linalool:	15 - 25 %	18.25

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