

CERTIFICATE OF ANALYSIS

Product: Tea Tree Organic Essential Oil (China)

Lot No.: 50062B001181

Best Before: May, 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:	Colorless to pale yellow clear liquid.	Complies
Odor:	Characteristic warm, spicy odor.	Complies
Solubility:	Insoluble in water.	Complies
Specific Gravity:	0.8850 to 0.9060 @ 25°C	0.893
Optical Rotation:	+5.0° to +15.0° @ 20°C	+9.15°
Refractive Index:	1.4750 to 1.4820 @ 25°C	1.4761
Terpinen-4-ol:	> 30 %	Complies
$\gamma$ -Terpinene:	10 - 28 %	Complies
$\alpha$ -Terpinene:	5 - 13 %	Complies
$\alpha$ -Terpineol:	1.5 - 8 %	Complies
Limomene:	0.5 - 4 %	Complies
1,8-Cineole:	0 - 5 %	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: Tea Tree Organic Essential Oil (China)  
 Lot No.: 50062A001181, A002181, A003181, A004181  
 Best Before: March, 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:	Colorless to pale yellow clear liquid.	Complies
Odor:	Characteristic warm, spicy odor.	Complies
Solubility:	Insoluble in water.	Complies
Specific Gravity:	0.8850 to 0.9060 @ 25°C	0.8930
Optical Rotation:	+5.0° to +15.0° @ 20°C	+9.45°
Refractive Index:	1.4750 to 1.4820 @ 25°C	1.4785
Terpinen-4-ol:	> 30 %	Complies
γ-Terpinene:	10 - 28 %	Complies
α-Terpinene:	5 - 13 %	Complies
α-Terpineol:	1.5 - 8 %	Complies
Limomene:	0.5 - 4 %	Complies
1,8-Cineole:	0 - 5 %	Complies

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CERTIFICATE OF ANALYSIS

Product: Tea Tree Organic Essential Oil (China)

Lot No.: 50062B00118

Best Before: May, 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:	Colorless to pale yellow clear liquid.	Complies
Odor:	Characteristic warm, spicy odor.	Complies
Solubility:	Insoluble in water.	Complies
Specific Gravity:	0.8850 to 0.9060 @ 25°C	0.8948
Optical Rotation:	+5.0° to +15.0° @ 20°C	+8.904°
Refractive Index:	1.4750 to 1.4820 @ 25°C	1.4776
Terpinen-4-ol:	> 30 %	40.711
γ-Terpinene:	10 - 28 %	20.850
α-Terpinene:	5 - 13 %	10.238
α-Terpineol:	1.5 - 8 %	4.220
Limomene:	0.5 - 4 %	1.274
1,8-Cineole:	0 - 5 %	1.863

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CERTIFICATE OF ANALYSIS

Product: Tea Tree Organic Essential Oil (China)

Lot No.: 50062A00118, A00218, A00318, A00418

Best Before: April, 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:	Colorless to pale yellow clear liquid.	Complies
Odor:	Characteristic warm, spicy odor.	Complies
Solubility:	Insoluble in water.	Complies
Specific Gravity:	0.8850 to 0.9060 @ 25°C	0.8959
Optical Rotation:	+5.0° to +15.0° @ 20°C	+9.711°
Refractive Index:	1.4750 to 1.4820 @ 25°C	1.4782
Terpinen-4-ol:	> 30 %	40.587
γ-Terpinene:	10 - 28 %	21.386
α-Terpinene:	5 - 13 %	10.733
α-Terpineol:	1.5 - 8 %	4.263
Limomene:	0.5 - 4 %	1.266
1,8-Cineole:	0 - 5 %	1.940

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## CERTIFICATE OF ANALYSIS

**Product:** Tea Tree Organic Essential Oil (China)

**Lot No.:** 50062A00117, A00217

**Best Before:** November, 2019

Store in 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 clear liquid.	Complies
Odor:	Characteristic warm, spicy odor.	Complies
Solubility:	Insoluble in water.	Complies
Specific Gravity:	0.8850 to 0.9060 @ 25°C	0.906
Optical Rotation:	+5.0° to +15.0° @ 20°C	+9.0°
Refractive Index:	1.4750 to 1.4820 @ 25°C	1.4770
Terpinen-4-ol:	> 30 %	40.711
γ-Terpinene:	10 - 28 %	20.850
α-Terpinene:	5 - 13 %	10.238
α-Terpineol:	1.5 - 8 %	4.220
Limomene:	0.5 - 4 %	1.274
1,8-Cineole:	0 - 5 %	2.863

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