

CERTIFICATE OF ANALYSIS

Product: Lemongrass Essential Oil

Lot No.: 11080A10121

Best Before: January, 2023

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

<u>Properties</u>	<u>Specifications</u>	<u>Results</u>
Appearance:	Pale yellow to dark golden yellow liquid.	Complies
Odor:	Characteristic citral odor.	Complies
Solubility:	Insoluble in water.	Complies
Specific Gravity:	0.8850 to 0.9040 @ 25°C	0.8914
Optical Rotation:	-3.0° to +2.0° @ 25°C	-1.77°
Refractive Index:	1.4790 to 1.4890 @ 25°C	1.4836
Total Citral (GC.):	65 to 75 %	72.02 %

Disclaimer & Caution

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CERTIFICATE OF ANALYSIS

Product: Lemongrass Essential Oil

Lot No.: 11080E11120

Best Before: November, 2022

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

<u>Properties</u>	<u>Specifications</u>	<u>Results</u>
Appearance:	Pale yellow to dark golden yellow liquid.	Complies
Odor:	Characteristic citral odor.	Complies
Solubility:	Insoluble in water.	Complies
Specific Gravity:	0.8850 to 0.9040 @ 25°C	0.8917
Optical Rotation:	-3.0° to +2.0° @ 25°C	-2.32°
Refractive Index:	1.4790 to 1.4890 @ 25°C	1.4846
Total Citral (GC.):	65 to 75 %	74.66%

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CERTIFICATE OF ANALYSIS

Product: Lemongrass Essential Oil

Lot No.: 11080D11020

Best Before: October, 2022

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

<u>Properties</u>	<u>Specifications</u>	<u>Results</u>
Appearance:	Pale yellow to dark golden yellow liquid.	Complies
Odor:	Characteristic citral odor.	Complies
Solubility:	Insoluble in water.	Complies
Specific Gravity:	0.8900 to 0.9040 @ 25°C	0.8927
Optical Rotation:	-5.0° to +1.0° @ 25°C	-2.09 °
Refractive Index:	1.4800 to 1.489 @ 25°C	1.4846
Total Citral (GC.):	65 to 80 %	69.26 %

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CERTIFICATE OF ANALYSIS

Product: Lemongrass Essential Oil

Lot No.: 11080C10920

Best Before: September, 2022

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

<u>Properties</u>	<u>Specifications</u>	<u>Results</u>
Appearance:	Pale yellow to dark golden yellow liquid.	Complies
Odor:	Characteristic citral odor.	Complies
Solubility:	Insoluble in water.	Complies
Specific Gravity:	0.8850 to 0.9040 @ 25°C	0.8930
Optical Rotation:	-3.0° to +2.0° @ 25°C	-1.37°
Refractive Index:	1.4790 to 1.4890 @ 25°C	1.4844
Total Citral (GC.):	65 to 75 %	73.06%

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CERTIFICATE OF ANALYSIS

Product: Lemongrass Essential Oil

Lot No.: 11080B10820

Best Before: August, 2022

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

<u>Properties</u>	<u>Specifications</u>	<u>Results</u>
Appearance:	Pale yellow to dark golden yellow liquid.	Complies
Odor:	Characteristic citral odor.	Complies
Solubility:	Insoluble in water.	Complies
Specific Gravity:	0.8850 to 0.9040 @ 25°C	0.8917
Optical Rotation:	-3.0° to +2.0° @ 25°C	-1.55°
Refractive Index:	1.4790 to 1.4890 @ 25°C	1.4840
Total Citral (GC.):	65 to 75 %	73.61%

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CERTIFICATE OF ANALYSIS

Product: Lemongrass Essential Oil

Lot No.: 11080A10720

Best Before: July, 2022

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

<u>Properties</u>	<u>Specifications</u>	<u>Results</u>
Appearance:	Pale yellow to dark golden yellow liquid.	Complies
Odor:	Characteristic citral odor.	Complies
Solubility:	Insoluble in water.	Complies
Specific Gravity:	0.8850 to 0.9040 @ 25°C	0.894
Optical Rotation:	-3.0° to +2.0° @ 25°C	-2.14°
Refractive Index:	1.4790 to 1.4890 @ 25°C	1.484
Total Citral (GC.):	65 to 75 %	Complies

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CERTIFICATE OF ANALYSIS

Product: Lemongrass Essential Oil

Lot No.: 11080C10919

Best Before: September, 2021

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

<u>Properties</u>	<u>Specifications</u>	<u>Results</u>
Appearance:	Pale yellow to dark golden yellow liquid.	Complies
Odor:	Characteristic citral odor.	Complies
Solubility:	Insoluble in water.	Complies
Specific Gravity:	0.8850 to 0.9040 @ 25°C	0.8924
Optical Rotation:	-3.0° to +2.0° @ 25°C	-1.93°
Refractive Index:	1.4790 to 1.4890 @ 25°C	1.4842
Total Citral (GC.):	65 to 75 %	72.08

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CERTIFICATE OF ANALYSIS

Product: Lemongrass Essential Oil

Lot No.: 11080B10919

Best Before: September, 2021

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

<u>Properties</u>	<u>Specifications</u>	<u>Results</u>
Appearance:	Pale yellow to dark golden yellow liquid.	Complies
Odor:	Characteristic citral odor.	Complies
Solubility:	Insoluble in water.	Complies
Specific Gravity:	0.8850 to 0.9040 @ 25°C	0.8923
Optical Rotation:	-3.0° to +2.0° @ 25°C	-2.08°
Refractive Index:	1.4790 to 1.4890 @ 25°C	1.484
Total Citral (GC.):	65 to 75 %	72.67

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CERTIFICATE OF ANALYSIS

Product: Lemongrass Essential Oil

Lot No.: 11080A10719

Best Before: July, 2021

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

<u>Properties</u>	<u>Specifications</u>	<u>Results</u>
Appearance:	Pale yellow to dark golden yellow liquid.	Complies
Odor:	Characteristic citral odor.	Complies
Solubility:	Insoluble in water.	Complies
Specific Gravity:	0.8850 to 0.9040 @ 25°C	0.8925
Optical Rotation:	-3.0° to +2.0° @ 25°C	-2.01°
Refractive Index:	1.4790 to 1.4890 @ 25°C	1.4836
Total Citral (GC.):	65 to 75 %	70.94

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CERTIFICATE OF ANALYSIS

Product: Lemongrass Essential Oil

Lot No.: 11080A521

Best Before: July, 2021

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

<u>Properties</u>	<u>Specifications</u>	<u>Results</u>
Appearance:	Pale yellow to dark golden yellow liquid.	Complies
Odor:	Characteristic citral odor.	Complies
Solubility:	Insoluble in water.	Complies
Specific Gravity:	0.8850 to 0.9040 @ 25°C	Complies
Optical Rotation:	-3.0° to +2.0° @ 25°C	Complies
Refractive Index:	1.4790 to 1.4890 @ 25°C	Complies
Total Citral (GC.):	65 to 75 %	Complies

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