

CERTIFICATE OF ANALYSIS

Product: Lime (Persian / Tahiti) Essential Oil

Lot No.: 11084A11220

Best Before: December, 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:	Yellowish-green to brownish-green liquid.	Complies
Odor:	Characteristic fresh, sweet, acidulous, lemon peel-like odor.	Complies
Solubility:	Soluble in alcohol and oils. Insoluble in water.	Complies
Specific Gravity:	0.861 to 0.879 @ 20°C	0.866
Refractive Index:	1.476 to 1.486 @ 20°C	1.479
Optical Rotation:	+38° to +53° @ 20°C	49.7°
Limonene:	42 - 58 %	55.6
Gamma terpinene:	12 - 15 %	13.6
Beta pinene:	10 - 13 %	11.8
Myrcene:	1.2 - 2.0 %	1.8

Disclaimer & Caution:

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CERTIFICATE OF ANALYSIS

Product: Lime (Persian / Tahiti) Essential Oil  
 Lot No.: 11084B110191  
 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:	Yellowish-green to brownish-green liquid.	Complies
Odor:	Characteristic fresh, sweet, acidulous, lemon peel-like odor.	Complies
Solubility:	Soluble in alcohol and oils. Insoluble in water.	Complies
Specific Gravity:	0.861 to 0.879 @ 20°C	Complies
Refractive Index:	1.4760 to 1.486 @ 20°C	Complies
Optical Rotation:	+38° to +53° @ 20°C	Complies
Limonene:	42 - 58 %	Complies
Gamma terpinene:	12 - 15 %	Complies
Beta pinene:	10 - 13 %	Complies
Myrcene:	1.2 - 2.0 %	Complies

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CERTIFICATE OF ANALYSIS

Product: Lime (Persian / Tahiti) Essential Oil

Lot No.: 11084A107191

Best Before: July, 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:	Yellowish-green to brownish-green liquid.	Complies
Odor:	Characteristic fresh, sweet, acidulous, lemon peel-like odor.	Complies
Solubility:	Soluble in alcohol and oils. Insoluble in water.	Complies
Specific Gravity:	0.861 to 0.879 @ 20°C	Complies
Refractive Index:	1.4760 to 1.486 @ 20°C	Complies
Optical Rotation:	+38° to +53° @ 20°C	Complies
Limonene:	42 - 58 %	Complies
Gamma terpinene:	12 - 15 %	Complies
Beta pinene:	10 - 13 %	Complies
Myrcene:	1.2 - 2.0 %	Complies

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CERTIFICATE OF ANALYSIS

Product: Lime (Persian / Tahiti) Essential Oil

Lot No.: 11084A105191

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:	Yellowish-green to brownish-green liquid.	Complies
Odor:	Characteristic fresh, sweet, acidulous, lemon peel-like odor.	Complies
Solubility:	Soluble in alcohol and oils. Insoluble in water.	Complies
Specific Gravity:	0.861 to 0.879 @ 20°C	Complies
Refractive Index:	1.4760 to 1.486 @ 20°C	Complies
Optical Rotation:	+38° to +53° @ 20°C	Complies
Limonene:	42 - 58 %	Complies
Gamma terpinene:	12 - 15 %	Complies
Beta pinene:	10 - 13 %	Complies
Myrcene:	1.2 - 2.0 %	Complies

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CERTIFICATE OF ANALYSIS

Product: Lime (Persian / Tahiti) Essential Oil

Lot No.: 11084A10719

Best Before: July, 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:	Yellowish-green to brownish-green liquid.	Complies
Odor:	Characteristic fresh, sweet, acidulous, lemon peel-like odor.	Complies
Solubility:	Soluble in alcohol and oils. Insoluble in water.	Complies
Specific Gravity:	0.861 to 0.879 @ 20°C	0.866
Refractive Index:	1.4760 to 1.486 @ 20°C	1.479
Optical Rotation:	+38° to +53° @ 20°C	+48.3°
Limonene:	42 - 58 %	55.3
Gamma terpinene:	12 - 15 %	14.1
Beta pinene:	10 - 13 %	12.3
Myrcene:	1.2 - 2.0 %	1.9

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CERTIFICATE OF ANALYSIS

Product: Lime (Persian / Tahiti) Essential Oil

Lot No.: 11084A461, 11084B461

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:	Yellowish-green to brownish-green liquid.	Complies
Odor:	Characteristic fresh, sweet, acidulous, lemon peel-like odor.	Complies
Solubility:	Soluble in alcohol and oils. Insoluble in water.	Complies
Specific Gravity:	0.861 to 0.879 @ 20°C	0.867
Refractive Index:	1.4760 to 1.486 @ 20°C	1.4808
Optical Rotation:	+38° to +53° @ 20°C	Complies

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CERTIFICATE OF ANALYSIS

Product: Lime (Persian / Tahiti) Essential Oil

Lot No.: 11084A10519

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:	Yellowish-green to brownish-green liquid.	Complies
Odor:	Characteristic fresh, sweet, acidulous, lemon peel-like odor.	Complies
Solubility:	Soluble in alcohol and oils. Insoluble in water.	Complies
Specific Gravity:	0.861 to 0.879 @ 20°C	0.866
Refractive Index:	1.4760 to 1.486 @ 20°C	1.479
Optical Rotation:	+38° to +53° @ 20°C	+48.3°
Limonene:	42 - 58 %	55.3
Gamma terpinene:	12 - 15 %	14.1
Beta pinene:	10 - 13 %	12.3
Myrcene:	1.2 - 2.0 %	1.9

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CERTIFICATE OF ANALYSIS

Product: Lime (Persian / Tahiti) Essential Oil

Lot No.: 11084A451, 11084B451

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:	Yellowish-green to brownish-green liquid.	Complies
Odor:	Characteristic fresh, sweet, acidulous, lemon peel-like odor.	Complies
Solubility:	Soluble in alcohol and oils. Insoluble in water.	Complies
Specific Gravity:	0.861 to 0.879 @ 20°C	0.871
Refractive Index:	1.4760 to 1.486 @ 20°C	1.4796
Optical Rotation:	+38° to +53° @ 20°C	Complies

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