

CERTIFICATE OF ANALYSIS

Product: Eucalyptus Blue Mallee Essential Oil

Lot No.: 11238A11220

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:	Colorless to pale yellow clear liquid.	Complies
Odor:	Characteristic eucalyptol odor.	Complies
Solubility:	Miscible in 70% ethanol (v/v @ 20°C).	Complies
Optical Rotation:	-1° to +10° @ 20°C	0.654°
Refractive Index:	1.4580 to 1.4650 @ 20°C	1.4595
Specific Gravity:	0.910 to 0.940 @ 20°C	0.9253
α -pinene:	0.1 – 9 %	0.84
β -pinene:	max 1.5%	0.44
1,8-Cineole:	min 80%	93.82

Disclaimer & Caution

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CERTIFICATE OF ANALYSIS

Product: Eucalyptus Blue Mallee Essential Oil

Lot No.: 11238C111191

Best Before: November, 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:	Colorless to pale yellow clear liquid.	Complies
Odor:	Characteristic eucalyptol odor.	Complies
Solubility:	Miscible in 70% ethanol (v/v @ 20°C).	Complies
Optical Rotation:	0° to +2.5° @ 20°C	Complies
Refractive Index:	1.4580 to 1.4700 @ 20°C	Complies
Specific Gravity:	0.918 to 0.928 @ 20°C	Complies
α -pinene:	1 - 9 %	Complies
β -pinene:	0 - 3 %	Complies
1,8-Cineole:	80 - 98 %	Complies

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CERTIFICATE OF ANALYSIS

Product: Eucalyptus Blue Mallee Essential Oil

Lot No.: 11238A10719

Best Before: January, 2024

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 eucalyptol odor.	Complies
Solubility:	Miscible in 70% ethanol (v/v @ 20°C).	Complies
Optical Rotation:	0° to +2.5° @ 20°C	+0.3°
Refractive Index:	1.4580 to 1.4700 @ 20°C	1.4598
Specific Gravity:	0.918 to 0.928 @ 20°C	0.9219
α -pinene:	1 - 9 %	Complies
β -pinene:	0 - 3 %	0.88%
1,8-Cineole:	80 - 98 %	89.83 %

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CERTIFICATE OF ANALYSIS

Product: Eucalyptus Blue Mallee Essential Oil

Lot No.: 11238B10719

Best Before: April, 2024

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 eucalyptol odor.	Complies
Solubility:	Miscible in 70% ethanol (v/v @ 20°C).	Complies
Optical Rotation:	0° to +2.5° @ 20°C	+0.5°
Refractive Index:	1.4580 to 1.4700 @ 20°C	1.4603
Specific Gravity:	0.918 to 0.928 @ 20°C	0.9228
α -pinene:	1 - 9 %	Complies
β -pinene:	0 - 3 %	0.60%
1,8-Cineole:	80 - 98 %	91.53 %

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CERTIFICATE OF ANALYSIS

Product: Eucalyptus Blue Mallee Essential Oil

Lot No.: 11238-A26

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:	Colorless to pale yellow clear liquid.	Complies
Odor:	Characteristic eucalyptol odor.	Complies
Solubility:	Miscible in 70% ethanol (v/v @ 20°C).	Complies
Optical Rotation:	0° to +2.5° @ 20°C	+0.1°
Refractive Index:	1.4580 to 1.4700 @ 20°C	1.4623
Specific Gravity:	0.918 to 0.928 @ 20°C	0.9183
α -pinene:	1 - 9 %	1.81 %
β -pinene:	0 - 3 %	2.01%
1,8-Cineole:	80 - 98 %	82.43 %

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CERTIFICATE OF ANALYSIS

Product: Eucalyptus Blue Mallee Essential Oil

Lot No.: 11238-A25

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:	Colorless to pale yellow clear liquid.	Complies
Odor:	Characteristic eucalyptol odor.	Complies
Solubility:	Miscible in 70% ethanol (v/v @ 20°C).	Complies
Optical Rotation:	-1° to +10° @ 20°C	+0.759°
Refractive Index:	1.458 to 1.465 @ 20°C	1.4597
Specific Gravity:	0.910 to 0.940 @ 20°C	0.9261
α -pinene:	0.1 – 9.0 %	1.05 %
β -pinene:	< 1.5 %	0.71 %
1,8-Cineole:	-----	91.47 %

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CERTIFICATE OF ANALYSIS

Product: Eucalyptus Blue Mallee Essential Oil

Lot No.: 11238-A24,B24,C24,D24

Best Before: February, 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:	Colorless to pale yellow clear liquid.	Complies
Odor:	Characteristic eucalyptol odor.	Complies
Solubility:	Miscible in 70% ethanol (v/v @ 20°C).	Complies
Optical Rotation:	0° to +2.5° @ 20°C	+0.2°
Refractive Index:	1.4580 to 1.4700 @ 20°C	1.4609
Specific Gravity:	0.918 to 0.928 @ 20°C	0.9186
α -pinene:	1 - 9 %	1.36 %
β -pinene:	0 - 3 %	1.28 %
1,8-Cineole:	80 - 98 %	85.68

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CERTIFICATE OF ANALYSIS

Product: Eucalyptus Blue Mallee Essential Oil

Lot No.: 11238C111191

Best Before: November, 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:	Colorless to pale yellow clear liquid.	Complies
Odor:	Characteristic eucalyptol odor.	Complies
Solubility:	Miscible in 70% ethanol (v/v @ 20°C).	Complies
Optical Rotation:	0° to +2.5° @ 20°C	Complies
Refractive Index:	1.4580 to 1.4700 @ 20°C	Complies
Specific Gravity:	0.918 to 0.928 @ 20°C	Complies
α -pinene:	1 - 9 %	Complies
β -pinene:	0 - 3 %	Complies
1,8-Cineole:	80 - 98 %	Complies

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CERTIFICATE OF ANALYSIS

Product: Eucalyptus Blue Mallee Essential Oil

Lot No.: 11238-A23,B23,C23,D23

Best Before: November, 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:	Colorless to pale yellow clear liquid.	Complies
Odor:	Characteristic eucalyptol odor.	Complies
Solubility:	Miscible in 70% ethanol (v/v @ 20°C).	Complies
Optical Rotation:	0° to +2.5° @ 20°C	Complies
Refractive Index:	1.4580 to 1.4700 @ 20°C	1.4635
Specific Gravity:	0.918 to 0.928 @ 20°C	0.9239
α -pinene:	1 - 9 %	1.00 %
β -pinene:	0 - 3 %	0.67
1,8-Cineole:	80 - 98 %	89.36 %

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CERTIFICATE OF ANALYSIS

Product: Eucalyptus Blue Mallee Essential Oil

Lot No.: 11238-A22,B22

Best Before: June, 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:	Colorless to pale yellow clear liquid.	Complies
Odor:	Characteristic eucalyptol odor.	Complies
Solubility:	Miscible in 70% ethanol (v/v @ 20°C).	Complies
Optical Rotation:	0° to +2.5° @ 20°C	+0.3°
Refractive Index:	1.4580 to 1.4700 @ 20°C	1.458
Specific Gravity:	0.918 to 0.928 @ 20°C	0.921
α -pinene:	1 - 9 %	1.31 %
β -pinene:	0 - 3 %	1.12 %
1,8-Cineole:	80 - 98 %	87.79 %

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CERTIFICATE OF ANALYSIS

Product: Eucalyptus Blue Mallee Essential Oil
Lot No.: 11238-A21,B21,C21,D21,E21,F21,G21,H21,I21,J21
Best Before: February, 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:	Colorless to pale yellow clear liquid.	Complies
Odor:	Characteristic eucalyptol odor.	Complies
Solubility:	Miscible in 70% ethanol (v/v @ 20°C).	Complies
Optical Rotation:	0° to +2.5° @ 20°C	+0.3°
Refractive Index:	1.4580 to 1.4700 @ 20°C	1.4609
Specific Gravity:	0.918 to 0.928 @ 20°C	0.918
α -pinene:	1 - 9 %	1.39 %
β -pinene:	0 - 3 %	1.45 %
1,8-Cineole:	80 - 98 %	85.79

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CERTIFICATE OF ANALYSIS

Product: Eucalyptus Blue Mallee Essential Oil

Lot No.: 11238C11119

Best Before: November, 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 eucalyptol odor.	Complies
Solubility:	Miscible in 70% ethanol (v/v @ 20°C).	Complies
Optical Rotation:	0° to +2.5° @ 20°C	+0.654°
Refractive Index:	1.4580 to 1.4700 @ 20°C	1.4595
Specific Gravity:	0.918 to 0.928 @ 20°C	0.9253
α -pinene:	1 - 9 %	0.84 %
β -pinene:	0 - 3 %	0.44 %
1,8-Cineole:	80 - 98 %	93.83

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