

CERTIFICATE OF ANALYSIS

Product: Helichrysum (Africa) Essential Oil

Lot No.: 11218A10221

Best Before: July, 2025

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

<u>Properties</u>	<u>Specifications</u>	<u>Results</u>
Appearance:	Clear yellow to greenish liquid.	Complies
Odor:	Herbal sweet aroma.	Complies
Solubility:	Soluble in alcohol and oils. Insoluble in water.	Complies
Specific Gravity:	0.840 to 0.950 @ 20°C	0.9035
Refractive Index:	1.440 to 1.550 @ 20°C	1.4946
Optical Rotation:	-25° to 0° @ 20°C	-9.94°
Beta Pinene:	3.00 – 10.40 %	7.149
Delta Cadinene:	8.02 – 20.19 %	12.692
Beta Phellandrene:	6.50 – 23.85 %	17.659

Disclaimer & Caution

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CERTIFICATE OF ANALYSIS

Product: Helichrysum (Africa) Essential Oil

Lot No.: 11218A10820

Best Before: June, 2025

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

<u>Properties</u>	<u>Specifications</u>	<u>Results</u>
Appearance:	Clear yellow to greenish liquid.	Complies
Odor:	Herbal sweet aroma.	Complies
Solubility:	Soluble in alcohol and oils. Insoluble in water.	Complies
Specific Gravity:	0.840 to 0.950 @ 20°C	0.9164
Refractive Index:	1.440 to 1.550 @ 20°C	1.4997
Optical Rotation:	-25° to 0° @ 20°C	-14.08°
Beta Pinene:	3.00 – 10.40 %	3.370
Delta Cadinene:	8.02 – 20.19 %	17.376
Beta Phellandrene:	6.50 – 23.85 %	7.682

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CERTIFICATE OF ANALYSIS

Product: Helichrysum (Africa) Essential Oil

Lot No.: 11218A10819

Best Before: June, 2024

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

<u>Properties</u>	<u>Specifications</u>	<u>Results</u>
Appearance:	Clear yellow to greenish liquid.	Complies
Odor:	Herbal sweet aroma.	Complies
Solubility:	Soluble in alcohol and oils. Insoluble in water.	Complies
Specific Gravity:	0.840 to 0.950 @ 20°C	0.9074
Refractive Index:	1.440 to 1.550 @ 20°C	1.4975
Optical Rotation:	-25° to 0° @ 20°C	-13.00°
Beta Pinene:	3.00 – 10.40 %	6.320
Delta Cadinene:	8.02 – 20.19 %	13.260
Beta Phellandrene:	6.50 – 23.85 %	13.716

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CERTIFICATE OF ANALYSIS

Product: Helichrysum (Africa) Essential Oil

Lot No.: 11218A20519

Best Before: April, 2024

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

<u>Properties</u>	<u>Specifications</u>	<u>Results</u>
Appearance:	Clear yellow to greenish liquid.	Complies
Odor:	Herbal sweet aroma.	Complies
Solubility:	Soluble in alcohol and oils. Insoluble in water.	Complies
Specific Gravity:	0.840 to 0.950 @ 20°C	0.9080
Refractive Index:	1.440 to 1.550 @ 20°C	1.4963
Optical Rotation:	-25° to 0° @ 20°C	-13.62°
Beta Pinene:	3.00 – 10.40 %	6.365
Delta Cadinene:	8.02 – 20.19 %	13.160
Beta Phellandrene:	6.50 – 23.85 %	13.474

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CERTIFICATE OF ANALYSIS

Product: Helichrysum (Africa) Essential Oil

Lot No.: 11218A10519

Best Before: January, 2024

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

<u>Properties</u>	<u>Specifications</u>	<u>Results</u>
Appearance:	Clear yellow to greenish liquid.	Complies
Odor:	Herbal sweet aroma.	Complies
Solubility:	Soluble in alcohol and oils. Insoluble in water.	Complies
Specific Gravity:	0.840 to 0.950 @ 20°C	0.9088
Refractive Index:	1.440 to 1.550 @ 20°C	1.4963
Optical Rotation:	-25° to 0° @ 20°C	-12.75°
Beta Pinene:	3.00 – 10.40 %	6.096
Delta Cadinene:	8.02 – 20.19 %	13.457
Beta Phellandrene:	6.50 – 23.85 %	12.904

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