

CERTIFICATE OF ANALYSIS

Product: Orange 5 Fold Essential Oil

Lot No.: 11223A511

Best Before: September, 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:	Dark orange to golden brown liquid.	Complies
Odor:	Characteristic sweet orange citrus odor.	Complies
Solubility:	Soluble in alcohol and oils. Insoluble in water.	Complies
Specific Gravity:	0.840 to 0.860 @ 15°C	Complies
Optical Rotation:	+85° to +99° @ 15°C	Complies
Refractive Index:	1.470 to 1.480 @ 20°C	Complies
Limonene:	60.0 - 99.0 %	Complies

Disclaimer & Caution

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CERTIFICATE OF ANALYSIS

Product: Orange 5 Fold Essential Oil
Lot No.: 11223A501, 11223B501, 11223C501
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:	Dark orange to golden brown liquid.	Complies
Odor:	Characteristic sweet orange citrus odor.	Complies
Solubility:	Soluble in alcohol and oils. Insoluble in water.	Complies
Specific Gravity:	0.840 to 0.860 @ 15°C	0.844
Optical Rotation:	+85° to +99° @ 15°C	Complies
Refractive Index:	1.470 to 1.480 @ 20°C	1.4759
Limonene:	60.0 - 99.0 %	Complies

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CERTIFICATE OF ANALYSIS

Product: Orange 5 Fold Essential Oil
Lot No.: 11223A491, 11223B491, 11223C491, 11223D491, 11223E491, 11223F491,
11223G491
Best Before: February, 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:	Dark orange to golden brown liquid.	Complies
Odor:	Characteristic sweet orange citrus odor.	Complies
Solubility:	Soluble in alcohol and oils. Insoluble in water.	Complies
Specific Gravity:	0.840 to 0.860 @ 15°C	0.858
Optical Rotation:	+85° to +99° @ 15°C	Complies
Refractive Index:	1.470 to 1.480 @ 20°C	1.4761
Limonene:	60.0 - 99.0 %	Complies

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CERTIFICATE OF ANALYSIS

Product: Orange 5 Fold Essential Oil

Lot No.: 11223-A52

Best Before: December, 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:	Dark orange to golden brown liquid.	Complies
Odor:	Characteristic sweet orange citrus odor.	Complies
Solubility:	Soluble in alcohol and oils. Insoluble in water.	Complies
Specific Gravity:	0.840 to 0.860 @ 15°C	0.8598
Optical Rotation:	+85° to +99° @ 15°C	+93.60
Refractive Index:	1.470 to 1.480 @ 20°C	1.4785
Limonene:	60.0 - 99.0 %	96.26

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CERTIFICATE OF ANALYSIS

Product: Orange 5 Fold Essential Oil
Lot No.: 11223-A51
Best Before: September, 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:	Dark orange to golden brown liquid.	Complies
Odor:	Characteristic sweet orange citrus odor.	Complies
Solubility:	Soluble in alcohol and oils. Insoluble in water.	Complies
Specific Gravity:	0.840 to 0.860 @ 15°C	0.8573
Optical Rotation:	+85° to +99° @ 15°C	+92.80
Refractive Index:	1.470 to 1.480 @ 20°C	1.4783
Limonene:	60.0 - 99.0 %	96.03

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CERTIFICATE OF ANALYSIS

Product: Orange 5 Fold Essential Oil
 Lot No.: 11223-A50,B50,C50
 Best Before: June, 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:	Dark orange to golden brown liquid.	Complies
Odor:	Characteristic sweet orange citrus odor.	Complies
Solubility:	Soluble in alcohol and oils. Insoluble in water.	Complies
Specific Gravity:	0.840 to 0.860 @ 15°C	Complies
Optical Rotation:	+85° to +99° @ 15°C	+93.10°
Refractive Index:	1.470 to 1.480 @ 20°C	1.4790
Aldehydes:	-----	2.10%
Limonene:	60.0 - 99.0 %	96.56 %

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CERTIFICATE OF ANALYSIS

Product: Orange 5 Fold Essential Oil
Lot No.: 11223-A49,B49,C49,D49,E49,F49,G49
Best Before: March, 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:	Dark orange to golden brown liquid.	Complies
Odor:	Characteristic sweet orange citrus odor.	Complies
Solubility:	Soluble in alcohol and oils. Insoluble in water.	Complies
Specific Gravity:	0.840 to 0.860 @ 15°C	0.8578
Optical Rotation:	+85° to +99° @ 15°C	93.43
Refractive Index:	1.470 to 1.480 @ 20°C	1.4768
Aldehydes:	-----	2.00%
Limonene:	60.0 - 99.0 %	96.20 %

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CERTIFICATE OF ANALYSIS

Product: Orange 5 Fold Essential Oil
Lot No.: 11223-A48,B48,C48
Best Before: January, 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:	Dark orange to golden brown liquid.	Complies
Odor:	Characteristic sweet orange citrus odor.	Complies
Solubility:	Soluble in alcohol and oils. Insoluble in water.	Complies
Specific Gravity:	0.840 to 0.860 @ 15°C	0.8578
Optical Rotation:	+85° to +99° @ 15°C	93.43
Refractive Index:	1.470 to 1.480 @ 20°C	1.4768
Aldehydes:	-----	2.00%
Limonene:	60.0 - 99.0 %	96.19 %

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CERTIFICATE OF ANALYSIS

Product: Orange 5 Fold Essential Oil
Lot No.: 11223-A47,B47,C47,D47,E47,F47
Best Before: October, 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:	Dark orange to golden brown liquid.	Complies
Odor:	Characteristic sweet orange citrus odor.	Complies
Solubility:	Soluble in alcohol and oils. Insoluble in water.	Complies
Specific Gravity:	0.840 to 0.860 @ 15°C	0.8578
Optical Rotation:	+85° to +99° @ 15°C	93.43
Refractive Index:	1.470 to 1.480 @ 20°C	1.4768
Aldehydes:	-----	2.00%
Limonene:	60.0 - 99.0 %	96.19 %

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