

CERTIFICATE OF ANALYSIS

Product: Rose Geranium Organic Essential Oil  
Lot No.: 50058A11220  
Best Before: August, 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:       | Clear light green to green. | Complies       |
| Odor:             | Sweet rosy floral aroma.    | Complies       |
| Solubility:       | Insoluble in water.         | Complies       |
| Specific Gravity: | 0.888 to 0.900 @20°C        | 0.8922         |
| Refractive Index: | 1.4630 to 14730 @20°C       | 1.4648         |
| Optical Rotation: | -13.0° to -7.0°             | Complies       |
| Citronellol:      | 18 - 26 %                   | 23.268         |
| Geraniol:         | 10 - 20 %                   | 14.216         |
| Linalool:         | 4 - 10 %                    | 5.291          |

**Disclaimer & Caution**

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## CERTIFICATE OF ANALYSIS

**Product:** Rose Geranium Organic Essential Oil  
**Lot No.:** 50058A20819  
**Best Before:** July, 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 dark green clear liquid | Complies       |
| Odor:             | Sweet rosy floral aroma.             | Complies       |
| Solubility:       | Insoluble in water.                  | Complies       |
| Specific Gravity: | 0.888 to 0.900 @20°C                 | 0.8917         |
| Refractive Index: | 1.4630 to 14730 @20°C                | 1.4646         |
| Optical Rotation: | -13.0° to -7.0°                      | Complies       |
| Citronellol:      | 18 - 26 %                            | 23.161         |
| Geraniol:         | 10 - 20 %                            | 13.420         |
| Linalool:         | 4 - 10 %                             | 4.657          |

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## CERTIFICATE OF ANALYSIS

**Product:** Rose Geranium Organic Essential Oil  
**Lot No.:** 50058A10819  
**Best Before:** June, 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 dark green clear liquid | Complies       |
| Odor:             | Sweet rosy floral aroma.             | Complies       |
| Solubility:       | Insoluble in water.                  | Complies       |
| Specific Gravity: | 0.888 to 0.900 @20°C                 | 0.8939         |
| Refractive Index: | 1.4630 to 14730 @20°C                | 1.4646         |
| Optical Rotation: | -13.0° to -7.0°                      | Complies       |
| Citronellol:      | 18 - 26 %                            | 23.134         |
| Geraniol:         | 10 - 20 %                            | 13.753         |
| Linalool:         | 4 - 10 %                             | 4.525          |

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## CERTIFICATE OF ANALYSIS

**Product:** Rose Geranium Organic Essential Oil  
**Lot No.:** 50058A10519  
**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 dark green clear liquid. | Complies       |
| Odor:             | Sweet rosy floral aroma.              | Complies       |
| Solubility:       | Insoluble in water.                   | Complies       |
| Specific Gravity: | 0.888 to 0.900 @20°C                  | 0.8923         |
| Refractive Index: | 1.463 to 1473 @20°C                   | 1.4640         |
| Optical Rotation: | -13.0° to -7.0°                       | Complies       |
| Citronellol:      | 18 - 26 %                             | 23.786         |
| Geraniol:         | 10 - 20 %                             | 13.809         |
| Linalool:         | 4 - 10 %                              | 5.254          |

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## CERTIFICATE OF ANALYSIS

**Product:** Rose Geranium Organic Essential Oil  
**Lot No.:** 50058 - A09  
**Best Before:** September, 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 dark green clear liquid. | Complies       |
| Odor:             | Sweet rosy floral aroma.              | Complies       |
| Solubility:       | Insoluble in water.                   | Complies       |
| Specific Gravity: | 0.888 to 0.900 @20°C                  | 0.8915         |
| Refractive Index: | 1.463 to 1473 @20°C                   | 1.4673         |
| Optical Rotation: | -13.0° to -7.0°                       | Complies       |
| Citronellol:      | 18 - 26 %                             | Complies       |
| Geraniol:         | 10 - 20 %                             | 12.656         |
| Linalool:         | 5 - 9 %                               | 6.291          |

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## CERTIFICATE OF ANALYSIS

**Product:** Rose Geranium Organic Essential Oil  
**Lot No.:** 50058 - A08  
**Best Before:** August, 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 dark green clear liquid. | Complies       |
| Odor:             | Sweet rosy floral aroma.              | Complies       |
| Solubility:       | Insoluble in water.                   | Complies       |
| Specific Gravity: | 0.888 to 0.900 @20°C                  | 0.8915         |
| Refractive Index: | 1.463 to 1473 @20°C                   | 1.4673         |
| Optical Rotation: | -13.0° to -7.0°                       | -12.61°        |
| Citronellol:      | 18 - 26 %                             | Complies       |
| Geraniol:         | 10 - 20 %                             | 13.434 %       |
| Linalool:         | 5 - 9 %                               | 5.935 %        |

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## CERTIFICATE OF ANALYSIS

**Product:** Rose Geranium Organic Essential Oil  
**Lot No.:** 50058 - A07,B07,C07,D07,E07,F07,G07  
**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:       | Colorless to dark green clear liquid. | Complies       |
| Odor:             | Sweet rosy floral aroma.              | Complies       |
| Solubility:       | Insoluble in water.                   | Complies       |
| Specific Gravity: | 0.888 to 0.900 @20°C                  | 0.8920         |
| Refractive Index: | 1.463 to 1473 @20°C                   | 1.4646         |
| Optical Rotation: | -13.0° to -7.0°                       | Complies       |
| Citronellol:      | 18 - 26 %                             | 25.488 %       |
| Geraniol:         | 10 - 20 %                             | 12.717 %       |
| Linalool:         | 5 - 9 %                               | 6.515 %        |

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## CERTIFICATE OF ANALYSIS

**Product:** Rose Geranium Organic Essential Oil  
**Lot No.:** 50058 - A06,B06,C06,D06,E06,F06,G06  
**Best Before:** September, 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 dark green clear liquid. | Complies       |
| Odor:             | Sweet rosy floral aroma.              | Complies       |
| Solubility:       | Insoluble in water.                   | Complies       |
| Specific Gravity: | 0.888 to 0.900 @20°C                  | 0.8922         |
| Refractive Index: | 1.463 to 1473 @20°C                   | 1.4657         |
| Optical Rotation: | -13.0° to -7.0°                       | Complies       |
| Citronellol:      | 18 - 26 %                             | 25.720 %       |
| Geraniol:         | 10 - 20 %                             | 12.623 %       |
| Linalool:         | 5 - 9 %                               | 6.626 %        |

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## CERTIFICATE OF ANALYSIS

**Product:** Rose Geranium Organic Essential Oil  
**Lot No.:** 50058 - A05  
**Best Before:** January, 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 dark green clear liquid. | Complies       |
| Odor:             | Sweet rosy floral aroma.              | Complies       |
| Solubility:       | Insoluble in water.                   | Complies       |
| Specific Gravity: | 0.888 to 0.900 @20°C                  | 0.8941         |
| Refractive Index: | 1.463 to 1473 @20°C                   | 1.4683         |
| Optical Rotation: | -13.0° to -7.0°                       | Complies       |
| Citronellol:      | -----                                 | 24.069 %       |
| Geraniol:         | -----                                 | 13.785 %       |
| Linalool:         | -----                                 | 4.499 %        |

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## CERTIFICATE OF ANALYSIS

**Product:** Rose Geranium Organic Essential Oil  
**Lot No.:** 50058-A04,B04,C04,D04,E04  
**Best Before:** August, 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 dark green clear liquid. | Complies       |
| Odor:             | Sweet rosy floral aroma.              | Complies       |
| Solubility:       | Insoluble in water.                   | Complies       |
| Specific Gravity: | 0.888 to 0.900 @20°C                  | 0.8932         |
| Refractive Index: | 1.463 to 1473 @20°C                   | 1.4665         |
| Optical Rotation: | -13.0° to -7.0°                       | -12.01°        |
| Citronellol:      | -----                                 | 24.172         |
| Geraniol:         | -----                                 | 12.537 %       |
| Linalool:         | -----                                 | 5.975 %        |

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