

CERTIFICATE OF ANALYSIS

Product: Rosemary Essential Oil (Spain) – ct Camphor

Lot No.: 11125A10819

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: | Colorless to pale yellow liquid. | Complies |
| Odor: | Characteristic rosemary herbaceous odor. | Complies |
| Solubility: | Soluble in alcohol. Insoluble in water. | Complies |
| Specific Gravity: | 0.892 to 0.940 @ 20°C | 0.8962 |
| Refractive Index: | 1.462 to 1.476 @ 20°C | 1.4660 |
| Optical Rotation: | -6.0° to +8.0° @ 20°C | +4.0° |
| α -Pinene: | 18.0 - 28.0 % | 23.1 |
| 1,8-cineole: | 16 - 23 % | 19.6 |
| Camphene: | 7.0 - 13.0 % | 9.7 |
| Limonene: | 2.5 - 5.5 % | 4.5 |
| Camphor: | 12.5 - 22.0 % | 17.8 |
| Linalool: | 0.5 - 2.5 % | 1.5 |

Disclaimer & Caution

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CERTIFICATE OF ANALYSIS

Product: Rosemary Essential Oil (Spain) – ct Camphor
Lot No.: 11125A10519
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 pale yellow liquid. | Complies |
| Odor: | Characteristic rosemary herbaceous odor. | Complies |
| Solubility: | Soluble in alcohol. Insoluble in water. | Complies |
| Specific Gravity: | 0.892 to 0.940 @ 20°C | 0.8992 |
| Refractive Index: | 1.462 to 1.476 @ 20°C | 1.4685 |
| Optical Rotation: | -6.0° to +8.0° @ 20°C | +6.0° |
| α -Pinene: | 18.0 – 28.0 % | 22.0 |
| 1,8-cineole: | 16 – 23 % | 19.6 |
| Camphene: | 7.0 – 13.0 % | 11.3 |
| Limonene: | 2.5 – 5.5 % | 5.0 |
| Camphor: | 12.5 – 22.0 % | 19.7 |
| Linalool: | 0.5 – 2.5 % | 1.4 |

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