

## CERTIFICATE OF ANALYSIS

Product: Spearmint 65% (India) Essential Oil

Lot No.: 11310B10321

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

<u>Properties</u>	<u>Specifications</u>	<u>Results</u>
Appearance:	Light yellow to pale yellow liquid.	Complies
Odor:	Characteristic spearmint odor.	Complies
Solubility:	Soluble in 3.5 volume of 70% alcohol solution. Insoluble in water.	Complies
Specific Gravity:	0.920 to 0.940 @ 20°C	0.921
Refractive Index:	1.485 to 1.491 @ 20°C	1.488
Optical Rotation:	-65° to -45° @ 20°C	-59.95°
L-Carvone:	52 – 70 %	68.40
$\alpha$ -pinene:	0.5 – 2.0 %	1.10
Limonene:	17 – 25 %	20.65
Cineole:	1.30 – 2.20 %	1.80
Total Terpene:	20 – 30 %	23.90

### Disclaimer & Caution

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