



## CERTIFICATE OF ANALYSIS

**Product** : **Clove Essential Oil**

<b>Properties</b>	<b>Specifications</b>	<b>Results</b>
Appearance	: Colorless to Pale yellow liquid.	Complies
Odor	: Characteristic woody , spicy, sweet scent.	Complies
Solubility	: Soluble in alcohol and oils, Insoluble in water.	Complies
Specific Gravity	: 1.041 to 1.046 @ 25°C	1.045
Refractive Index	: 1.534 to 1.537 @ 20°C	1.535
Optical Rotation	: -2° to 0° @ 25°C	-1.16°
Eugenol (GC)	: Min 85%	85.19
Beta-Caryophyllene	: 8.5 to 11 %	10.83
Humulene	: 2 to 3.30 %	2.07

**Storage:** Store in air tight containers; in a cool dry area; away from direct sunlight.

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