

CERTIFICATE OF ANALYSIS (COA)

Product Name	CINNAMON BARK ESSENTIAL OIL
Botanical Name	Cinnamomum verum (synonym Cinnamomum zeylanicum)
CAS #	8015-91-6 ; 84649-98-9
EINECS #	283-479-0
INCI Name	Cinnamomum Zeylanicum Bark Oil

Part Used	Dried inner bark
Extraction Method	Steam Distilled Essential Oil
Quality	100% Pure and Natural
Note Classification	Middle Note

<u>PROPERTIES</u>	<u>SPECIFICATIONS</u>	<u>RESULTS</u>
Appearance	Brownish yellow clear liquid.	CONFORMS
Odour	Spicy warm reminiscent of cinnamons.	CONFORMS
Refractive Index	1.560 to 1.598 nD	1.590
Specific Gravity (g/mL)	0.9600 to 1.1000 g/cm ³	1.0497 g/cm ³
Optical Rotation (°)	+ 6° to 10°	-0.102°
Solubility	Soluble in alcohols and fixed oils; Insoluble in water	CONFORMS

<u>MICROBIAL ANALYSIS</u>	<u>SPECIFICATIONS</u>	<u>STANDARDS</u>	<u>RESULTS</u>
Aerobic Mesophilic Bacterial Count	< 100 CFU/g	ISO 21149	CONFORMS
Yeast and Mould	< 10 CFU/g	ISO 16212	CONFORMS
Candida albicans	ABSENT / 1g	ISO 18416	CONFORMS
Escherichia coli	ABSENT / 1g	ISO 21150	CONFORMS
Pseudomonas aeruginosa	ABSENT / 1g	ISO 22717	CONFORMS
Staphylococcus aureus	ABSENT / 1g	ISO 22718	CONFORMS

<u>HEAVY METAL TESTS</u>	<u>SPECIFICATIONS</u>	<u>STANDARDS</u>	<u>RESULTS</u>
Lead: Pb (mg/kg or ppm)	< 10 ppm	na	CONFORMS
Arsenic: As (mg/kg or ppm)	< 2 ppm	na	CONFORMS
Mercury: Hg (mg/kg or ppm)	< 1 ppm	na	CONFORMS

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