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CERTIFICATE OF ANALYSIS (COA)

Product Name	THYME ESSENTIAL OIL
Botanical Name	Thymus vulgaris
Product Code	PEO1157
CAS #	8007-46-3 ; 84929-51-1 ; 85085-75-2
FEMA #	3064
EINECS #	284-535-7 ; 285-397-0
INCI Name	Thymus Vulgaris Flower/Leaf Oil

Batch #	11572212
Manufacturing Date	DECEMBER 2022
Best Before Date	NOVEMBER 2025

Part Used	Leaves and Tops
Extraction Method	Steam Distilled Essential Oil
Quality	100% Pure and Natural
Note Classification	Middle to Top Note

<u>PROPERTIES</u>	<u>SPECIFICATIONS</u>	<u>RESULTS</u>
Appearance	Pale yellow to reddish brown colored liquid	CONFORMS
Odour	Fresh, green, diffusive, sweet-herbaceous aroma	CONFORMS
Refractive Index	1.490 - 1.510 @ 20°C	1.503
Specific Gravity (g/mL)	0.908 - 0.937 @ 20°C	0.923
Optical Rotation (°)	-6° to +4°	CONFORMS
Solubility	Soluble in alcohols and fixed oils; Insoluble in water	CONFORMS

Comments	Odour quality is excellent
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<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

STABILITY AND STORAGE:

Keep in tightly closed container in a cool and dry place, protected from sunlight. When stored for more than 36 months, quality should be checked before use.

As it is electronically generated document, hence no signature required.

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