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CERTIFICATE OF ANALYSIS (COA)

Product Name	THYME HYDROSOL (COSMETIC GRADE)
Botanical Name	Thymus vulgaris
Product Code	GF1030
CAS #	84929-51-1, 532-32-1, 24634-61-5
INCI Name	Thymus Vulgaris (Thyme) Flower / Leaf Water, Sodium Benzoate, Potassium Sorbate

Batch #	10302606
Manufacturing Date	Jun 2026
Best Before Date	Jun 2027

Part Used	Leaves & Flowering Tops
Extraction Method	Steam Distillation
Quality	Cosmetic Grade

PROPERTIES	SPECIFICATIONS	RESULTS
Appearance	Clear, colorless to slightly cloudy liquid with characteristic thyme aroma	Complies
Water Solubility	Soluble	Complies
Alcohol Solubility	Soluble	Complies
Oil Solubility	Insoluble	Complies
pH @ 20°C	4.5 – 7.0	5.42
Specific Gravity @ 20°C	0.98 – 1.02	1.001
Refractive Index @ 20°C	1.300 – 1.350	1.334
Flash Point (°C)	> 200	> 200

HEAVY METAL TESTS	SPECIFICATIONS	RESULTS
Lead (Pb)	Not Detected	Not Detected
Cadmium (Cd)	Not Detected	Not Detected
Copper (Cu)	Not Detected	Not Detected
Arsenic (As)	Not Detected	Not Detected
Mercury (Hg)	Not Detected	Not Detected

MICROBIOLOGICAL TESTS	SPECIFICATIONS	RESULTS
Total Plate Count	NMT 100 cfu/g	Complies
Yeast / Moulds	NMT 10 cfu/g	Complies
Escherichia coli	Absent	Absent



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Salmonella spp.	Absent	Absent
Pseudomonas aeruginosa	Absent	Absent
Staphylococcus aureus	Absent	Absent

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