

# CLARY SAGE OIL

### CERTIFICATE OF ANALYSIS

Product Name	CITRONELLA OIL
Botanical Name	Cymbopogon winterianus
CAS#	8000-29-1 ; 91771-61-8
FEMA#	2308
EINECS#	294-954-7
INCI Name	Cymbopogon Winterianus (Citronella) Herb Oil

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

PROPERTIES	SPECIFICATIONS	RESULTS
Appearance	Pale yellow to dark yellow colored liquid	CONFORMS
Odour	Sweet, fresh, lemony, grassy-green aroma	CONFORMS
Refractive Index	1.463 - 1.485 @ 20°C	1.470
Specific Gravity (g/mL)	0.881 - 0.901 @ 20°C	0.897
Optical Rotation (°)	-5° to +2°	CONFORMS
Solubility	Soluble in alcohols and fixed oils; Insoluble in water	CONFORMS

Comments	Odour quality is excellent
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MICROBIAL ANALYSIS	<b>SPECIFICATIONS</b>	STANDARDS	RESULTS
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

Address: 975 Lunt Ave., Schaumburg Illinois 60193, USA

Phone: (800)809-4941 | Email: support@thesulu.com | Web: www.thesulu.com



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HEAVY METAL TESTS	<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 sunlightWhen stored for more than 24 months, quality should be checked before use.

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

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