

CERTIFICATE OF ANALYSIS (COA)

Product Name	GERANIUM OIL
Botanical Name	Pelargonium graveolens (syn Pelargonium x asperum)
Product Code	E208
CAS #	8000-46-2 ; 90082-51-2
FEMA #	2508
EINECS #	290-140-0
INCI Name	Pelargonium Graveolens (Geranium) Oil

Batch #	10052010
Manufacturing Date	OCTOBER 2020
Best Before Date	SEPTEMBER 2022

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 light greenish yellow colored liquid	CONFORMS
Odour	Very fresh, lightly floral, lemony-rosy aroma	CONFORMS
Refractive Index	1.455 - 1.475 @ 20°C	1.465
Specific Gravity (g/mL)	0.860 - 0.905 @ 20°C	0.897
Optical Rotation (°)	-18° to -7°	CONFORMS
Solubility	Soluble in alcohols and fixed oils; Insoluble in water	CONFORMS

Comments	Odour quality is excellent
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AromaEasy

16273 GALE AVE, CITY OF INDUSTRY, CA, 91745. USA

Tel. +1 240.258.7761 E-mail: sales@aromaeasy.com

Website: www.aromaeasy.com

<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 24 months, quality should be checked before use.

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

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