

### TECHNICAL DATA SHEET (TDS)

Product Name	GERANIUM ESSENTIAL OIL
Botanical Name	Pelargonium graveolens
CAS #	8000-46-2 ; 90082-51-2
EINECS #	290-140-0
INCI Name	Pelargonium Graveolens (Geranium) Oil

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>
Appearance	Pale yellow clear liquid.
Odour	Floral, minty, rosy, fresh.
Refractive Index	1.440 to 1.480 nD
Specific Gravity (g/mL)	0.8500 to 0.9300 g/cm <sup>3</sup>
Optical Rotation (°)	-13 <sup>0</sup> to +5 <sup>0</sup>
Solubility	Insoluble in water, soluble in oils-

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

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

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