



TECHNICAL DATA SHEET (TDS)

GERANIUM ESSENTIAL OIL

Product Name	GERANIUM ESSENTIAL OIL
Botanical Name	Pelargonium graveolens
Product Code	GEO-N10
CAS #	8000-46-2 ; 90082-51-2
FEMA #	2508
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

PROPERTIES

SPECIFICATIONS

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

MICROBIAL ANALYSIS

SPECIFICATIONS

STANDARDS

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

HEAVY METAL TESTS

SPECIFICATIONS

STANDARDS

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

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.

Disclaimer & Caution: Refer to all relevant technical data before using the product. The information provided is from reliable sources, but Geranium International Trade does not guarantee its completeness or accuracy. Users must assess its suitability for their specific use. Compliance with laws, regulations, and third-party rights is the user's responsibility. Since product use is beyond Geranium's control, no warranties or liability are assumed for outcomes, including damage or injury. Liability is limited to the product's value, excluding any consequential loss. Geranium International Trade is not responsible for delays, errors, or actions taken based on this information.

