



TECHNICAL DATA SHEET (TDS)

ROSEMARY ESSENTIAL OIL

Product Name	ROSEMARY ESSENTIAL OIL
Botanical Name	Rosmarinus officinalis (synonym Salvia rosmarinus)
Product Code	GEO-N18
CAS #	8000-25-7 ; 84604-14-8
FEMA #	2992
EINECS #	283-291-9
INCI Name	Rosmarinus Officinalis (Rosemary) Leaf Oil
Part Used	Leaves and Flowering tops
Extraction Method	Steam Distilled Essential Oil
Quality	100% Pure and Natural
Note Classification	Middle Note

PROPERTIES

SPECIFICATIONS

Appearance	Colorless to pale yellow liquid
Odour	Strong, fresh, smooth, woody-herbaceous aroma
Refractive Index	1.462 - 1.474 @ 20°C
Specific Gravity (g/mL)	0.890 - 0.920 @ 20°C
Optical Rotation (°)	-5° to +5°
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.

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