



TECHNICAL DATA SHEET (TDS)

SPEARMINT ESSENTIAL OIL

Product Name	SPEARMINT ESSENTIAL OIL
Botanical Name	Mentha spicata
Product Code	GEO-N20
CAS #	8008-79-5 ; 84696-51-5
FEMA #	3032
EINECS #	283-656-2
INCI Name	Mentha Spicata (Spearmint) Leaf Oil
Part Used	Leaves
Extraction Method	Steam Distilled Essential Oil
Quality	100% Pure and Natural
Note Classification	Top Note

PROPERTIES

SPECIFICATIONS

Appearance	Pale yellow to greenish yellow colored liquid
Odour	Refreshing, minty-green, slightly herbaceous aroma; sweeter and softer than Peppermint
Refractive Index	1.480 - 1.495 @ 20°C
Specific Gravity (g/mL)	0.910 - 0.950 @ 25°C
Optical Rotation (°)	-75° to -45°
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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