

TECHNICAL DATA SHEET (TDS)

Product Name	CALAMUS ESSENTIAL OIL
Botanical Name	Acorus calamus
Product Code	PEO1027
CAS #	8015-79-0 ; 84775-39-3
EINECS #	283-869-0
INCI Name	Acorus Calamus Root Oil

Part Used	Roots
Extraction Method	Steam Distilled Essential Oil
Quality	100% Pure and Natural
Note Classification	Base Note

<u>PROPERTIES</u>	<u>SPECIFICATIONS</u>
Appearance	Pale yellow to brown, slightly viscous liquid
Odour	Warm, spicy, waxy aroma reminiscent of a sweet forest
Refractive Index	1.525 - 1.580 @ 25°C
Specific Gravity (g/mL)	1.040 - 1.085 @ 25°C
Optical Rotation (°)	-0.5° to +0.5°
Solubility	Soluble in alcohols and fixed oils; Insoluble in water

<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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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.

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

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