

TECHNICAL DATA SHEET (TDS)

Product Name	CHRISTMAS ESSENTIAL OIL
Botanical Name	Abies fraseri + Abies peocera + Abies grandis
INCI Name	Abies Fraseri (Frasier Fir) Needle Oil and Abies Peocera (Noble Fir) Needle

Part Used	Needles and Twigs
Extraction Method	Steam Distilled Essential Oil
Quality	100% Pure and Natural
Note Classification	Middle to Top Note

<u>PROPERTIES</u>	<u>SPECIFICATIONS</u>
Appearance	Colorless to pale yellow green colored liquid
Odour	Very fresh, sweet, woody-balsamic, evergreen/coniferous aroma
Refractive Index	1.460 - 1.490 @ 20°C
Specific Gravity (g/mL)	0.850 - 0.900 @ 20°C
Optical Rotation (°)	-40° to -4°
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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