

TECHNICAL DATA SHEET (TDS)

Product Name	VETIVER ESSENTIAL OIL
Botanical Name	Chrysopogon zizanioides (synonym Vetiveria zizanioides)
CAS #	8016-96-4 ; 84238-29-9
EINECS #	282-490-8
INCI Name	Vetiveria Zizanioides (Vetiver) Root oil

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

<u>PROPERTIES</u>	<u>SPECIFICATIONS</u>
Appearance	Amber brown to reddish brown colored, slightly viscous liquid
Odour	Deep, rich, slightly sweet, resinous, earthy odour
Refractive Index	1.516 - 1.530 @ 20°C
Specific Gravity (g/mL)	0.980 - 1.015 @ 20°C
Optical Rotation (°)	+15° to +48°
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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