

### TECHNICAL DATA SHEET (TDS)

Product Name	ORANGE ESSENTIAL OIL, BLOOD
Botanical Name	Citrus sinensis
CAS #	8008-57-9 ; 8028-48-6
EINECS #	232-433-8
INCI Name	Citrus sinensis (Blood Orange) Oil

Part Used	Peels
Extraction Method	Cold Pressed Essential Oil
Quality	100% Pure and Natural
Note Classification	Top Note

<u>PROPERTIES</u>	<u>SPECIFICATIONS</u>
Appearance	Yellow orange to deep orange colored liquid
Odour	Sweet, fresh, rich fruity-aldehydic aroma characteristic of orange
Refractive Index	1.468 - 1.480 @ 20°C
Specific Gravity (g/mL)	0.838 - 0.852 @ 20°C
Optical Rotation (°)	+94° to +102°
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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