

**TECHNICAL DATA SHEET (TDS)**

Product Name	JUNIPER BERRY OIL
Botanical Name	Juniperus communis
Product Code	E227
CAS #	8002-68-4 ; 84603-69-0
FEMA #	2604
EINECS #	283-268-3
INCI Name	Juniperus Communis (Juniper) Berry Oil

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

<u>PROPERTIES</u>	<u>SPECIFICATIONS</u>
Appearance	Colorless to pale yellow liquid
Odour	Sweet, fresh, woody-green, slightly terpenic aroma
Refractive Index	1.461 - 1.490 @ 20°C
Specific Gravity (g/mL)	0.840 - 0.879 @ 20°C
Optical Rotation (°)	-15° to +3°
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 24 months, quality should be checked before use.

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

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