



## Certificate of Analysis

Product Name:	<b>Juniper Berry Essential Oil</b>	Extraction Method:	<b>Steam Distilled Essential Oil</b>
Botanical Name:	<i>Juniperus communis</i>	Quality:	<b>100% Pure and Natural</b>
Used Part:	<b>Berries</b>	INCI Name:	<b>Juniperus Communis (Juniper) Berry Oil</b>
CAS No.:	<b>8002-68-4; 84603-69-0</b>		

IDENTIFICATION		SPECIFICATION	STANDARDS
Physical	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	-
Chemical	Lead (Pb)	< 10 ppm	-
	Arsenic (As)	< 2 ppm	-
	Mercury (Hg)	< 1 ppm	-
Microbial	Aerobic Mesophilic Bacterial Count	< 100 cfu/g	ISO 21149
	Yeast & Mould	< 10 cfu/g	ISO 16212
	Candida albicans	Negative	ISO 18416
	Escherichia coli	Negative	ISO 21150
	P. aeruginosa	Negative	ISO 22717
	S. aureus	Negative	ISO 22718

Else	Storage Condition	Keep in a tightly closed container in a cool and dry place, protected from sunlight.
	Shelf Life	When stored for more than 24 months, quality should be checked before use.

