

CERTIFICATE OF ANALYSIS

Organic Essential Oil of Atlas Cedarwood from Morocco
100% pure and natural

Botanical name :	<i>Cedrus atlantica (Endl.) Manetti ex Carrière</i>
Commercial name :	Organic Atlas Cedarwood
Batch number :	1900817
Geographical origin :	Morocco
Production date :	April 2020

Physical and chemical data :

	Standards	Results of analysis
Appearance	More or less viscous liquid	Conform
Colour	Yellow orangey to brown	Conform
Odour	Characteristic, woody, sweet	Conform
Specific gravity at 20°C	0.925 to 0.945	0.9351
Refractive index at 20°C	1.500 to 1.520	1.5184
Optical rotation at 20°C	+60° to +90°	+ 70.11°
Flash point	+100°C	

Table of components (1) :

Components	Contents
4-Methyl-3-penten-2-one	0.06%
α-pinene	0.01%
Limonene	0.01%
4-Acetyl-methylcyclohexene	0.85%
α-terpineol	0.06%
α-longipinene	0.17%
Stibirene	1.02%
Longifolene	0.69%
Vestitenone	0.51%
α-himachalene	16.26%
γ-himachalene	9.87%
11-α-H-himachala-1,4-diene	2.03%
β-himachalene	41.22%
α-dehydro-ar-himachalene	2.31%
δ-cadinene	2.14%
γ-dehydro-ar-himachalene	3.26%
E-α-bisabolene	1.14%
α-calacorene	0.22%
Himachalene-epoxide	0.11%
Longiborneol	0.94%

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Table of components (2) :

Components	Contents
Oxyde- β -himachalene	0.79%
1-Epi-cubenol	0.41%
Allo himachalol	0.68%
Z- γ -atlantone	0.94%
E- γ -atlantone	1.47%
Deodarone	1.39%
Z- α -atlantone	0.82%
E- α -atlantone	3.06%
TOTAL	92.44%