

CERTIFICATE OF ANALYSIS

Organic Essential Oil of Juniper Berry from Bulgaria
100% pure and natural

Botanical name :	<i>Juniperus communis L.</i>
Commercial name :	Organic Juniper Berry
Batch number :	2000393
Geographical origin :	Bulgaria
Production date :	April 2020

Physical and chemical data :

	Standards	Results of analysis
Appearance	Mobile liquid	Conform
Colour	Colourless to pale yellow	Conform
Odour	Characteristic, balsamic, sweet	Conform
Specific gravity at 20°C	0.845 à 0.885	0.8653
Refractive index at 20°C	1.470 to 1.485	1.4772
Flash point	+35°C to +45°C	

Table of components (1) :

Components	Content (%)
Tricyclene	0.09%
α -thujene	1.20%
α -pinene	32.80%
α -fenchene	0.03%
Camphene	0.51%
Thuja-2,4(10)-diene	0.04%
Bicyclo[3.1.0]hexane, 6-isopropylidene-1-methyle	0.04%
1,5-Cyclodecadiene-(E,Z)	0.06%
Sabinene	11.90%
β -pinene	3.53%
Camphene isomere	0.19%
Myrcene	12.92%
1,5-Heptadiene, 3,3,6-trimethyl	0.09%
3-p-Menthene	0.02%
Pseudolimonene	0.59%
δ -3-carene	0.09%
α -terpinene	0.31%
Para-cymene	2.94%
Limonene	5.89%
1,3,6-Octatriene, 3,7-dimethyl-,(E)	0.03%
γ -terpinene	2.79%
Terpinolene	0.99%
1,6-Octadien-3-ol, 3,7-dimethyl-	0.03%

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Table of components (2) :

Components	Content (%)
Terpinene-4-ol	3.91%
α -terpineol	0.19%
2-Norbornanol, 1,3,3-trimethyl-, acetate, endo-	0.31%
δ -elemene	0.05%
α -cubebene	0.23%
α -copaene	0.30%
β -elemene	0.52%
α -gurjunene	0.07%
Trans-caryophyllene	4.88%
γ -elemene	0.16%
Humulene	0.17%
α -humulene	3.88%
Allo-aromadendrene	0.03%
Cis-Cadina-1(6),4-diene	0.03%
Cis-Muurolo-4(14),5-diene	0.09%
γ -cadinene	0.34%
8-Isopropyl-1-methyl-5-methylene	4.28%
β -selinene	0.16%
Epi-bicyclosesquiphellandrene	0.03%
2-Isopropenyl-4a,8-dimethyl-1,2,3,4,4a,5,6,7-octahydronaphtalene	0.20%
Bicyclogermacrene	0.12%
α -muurolene	0.23%
δ -cadinene	0.04%
γ -cadinene	0.29%
δ -cadinene	0.99%
Zonarene	0.03%
Trans-cadina-1,4-diene	0.04%
α -cadinene	0.08%
Selina-3,7(11)-diene	0.07%
Germacrene B	0.40%
Oxyde de caryophyllene	0.06%
α -cadinol	0.07%
α -cadinol isomere	0.05%
Curlone	0.03%
TOTAL	99.41%