

BULLETIN D'ANALYSE / ANALYSIS REPORT

HUILE ESSENTIELLE DE / ESSENTIAL OIL OF PALO SANTO

DESCRIPTION DU PRODUIT / PRODUCT DESCRIPTION

Produit :	Huile essentielle 100% naturelle	Product :	100% natural essential oil
Nom botanique :	Bursera Graveolens	Botanical name :	Bursera Graveolens
Origine :	PEROU	Origin :	PERU
Numéro de lot :	177131	Batch number :	/
Date d'expiration :	11/2028	Expiration date :	/
Type de culture :	Sauvage	Cultivation type :	Wild
Partie de la plante :	Bois	Part of the plant :	Wood
Mode d'obtention :	Distillation à la vapeur d'eau	Production method :	Steam distillation

INCI : BURSERA GRAVEOLENS WOOD OIL

N° CAS EINECS : 934-174-2

N° CAS TSCA : 959130-05-3

CARACTÉRISTIQUE PHYSIQUES ET CHIMIQUES (à 20°C sauf mention) PHYSICAL AND CHEMICAL CHARACTERISTICS (at 20°C)

Apparence :	Liquide mobile limpide	Appearance :	Clear mobile liquid
Couleur :	Incolore à jaune pâle	Color :	Colorless to pale yellow
Odeur :	Boisé, balsamique, avec de légères nuances citronnées.	Odor :	Woody, balsamic, with light citrus nuances.

	Résultat	Specification
Densité / Density :	Conforme / conform	0,815 - 0,865
Indice de réfraction / Refractive index :	Conforme / conform	1,450 - 1,487
Point éclair / Flash point :	Conforme / conform	+ 50°C

DONNÉE D'ANALYSES CHIMIQUES / CHEMICAL ANALYSIS DATA

N°	RT	Compound Name	Area %
1	3.80	Isobutyl acetate	0.03
2	3.92	Methyl 2-methylbutyrate	0.04
3	5.53	(E)-2-Hexenal	0.17
4	6.56	3-Methylbutanoic acid	0.04
5	8.31	Alpha-Pinene	0.09
6	8.75	Beta-citronellene	0.02
7	9.06	3-Methyl cyclohexanone	0.08
8	9.70	1-Heptanol	0.05
9	10.45	6-Methyl-5-hepten-2-one	0.35
10	10.61	Dehydro-1,8-cineole	0.27
11	11.00	3-p-Menthene	0.30
12	11.23	o-Cymene	0.56
13	11.76	alpha-Terpinene	0.02
14	12.10	para-Cymene	5.06
15	12.40	Limonene	44.53
16	12.46	1,8-Cineole	0.34
17	13.61	Gamma-terpinene	0.02
18	14.45	para-Cresol	0.02
19	14.83	Isoterpinolene	0.03
20	14.95	Cis-linalool oxide (5) (furanoid)	0.04
21	15.04	para-Cymenene	0.44
22	15.34	p-Mentha-3,8-diene	0.07
23	15.58	Linalool	0.09
24	16.06	1,3,8-para-Menthatriene	0.13
25	16.51	trans-para-Mentha-2,8-dien-1-ol	0.64
26	16.63	cis-para-Menth-2-en-1-ol	0.01

27	16.90	11.62 Octadienal <2,2-dimethyl-3,4	0.21
28	17.19	cis-para-Mentha-2,8-dien-1-ol	0.84
29	17.40	12.97 terpineol<trans-dihydro-beta>	0.11
30	17.58	Camphor	0.01
31	17.71	Isopulegol	0.06
32	17.79	13.20 Terpineol<cis-beta>	0.51
33	18.05	Menthone	1.10
34	18.39	Menthofuran	1.56
35	18.45	isoMenthone	0.91
36	18.664	neo-Isopulegol	0.23
37	18.81	para-Mentha-1,5-dien-8-ol	0.13
38	19.12	Neomenthol	1.87
39	19.36	para-Methylacetophenone	0.35
40	19.77	Menthol	0.62
41	19.94	alpha-Terpineol	9.06
42	20.01	cis-Dihydrocarvone	0.45
43	21.02	trans-Carveol	2.10
44	21.60	cis-Carveol	0.84
45	21.81	Pulegone	0.66
46	21.97	Cuminal	0.02
47	22.09	Carvone	3.55
48	22.29	Carvotanacetone	0.03
49	22.51	Piperitone	0.01
50	23.45	Perilla aldehyde	0.14
51	23.52	19.02 Carvone oxide<trans->	0.17
52	26.14	Ascaridole	0.41
53	27.19	trans-Carvyl acetate	0.02
54	27.57	Alpha-Cubebene	0.24
55	28.47	Longicyclene	0.87

56	29.48	Alpha-Cedrene	0.03
57	29.61	alpha-Gurjunene	0.10
58	30.09	Sibirene	0.13
59	30.31	cis-alpha-bergamotene	0.06
60	30.62	beta-Humulene	1.17
61	30.89	Aromadendrene	0.56
62	31.19	(Z)-beta-Farnesene	0.03
63	31.56	Thujopsene	0.03
64	31.98	6,9-Guaiadiene	0.74
65	32.35	gamma-Muurolene	0.07
66	32.48	gamma-Gurjunene	0.14
67	32.95	alpha-amorphene	0.21
68	33.26	4-epi-cisDihydroagarofuran	0.95
69	33.39	cis-alpha-bisabolene	4.81
70	33.49	alpha-Muurolene	0.29
71	33.74	beta-cadinene	0.25
72	34.06	bicyclogermacrene	0.14
73	34.56	alpha-Dehydro-ar-himachalene	0.04
74	37.45	Spathulenol	0.03
75	37.64	Ledol	2.43
76	38.57	gamma-Eudesmol	0.12
77	38.84	Hinesol	0.27
78	40.17	alpha-Muurolol	0.33

CONFORME À L'ORIGINAL

These are the values as received from the supplier and/or an independent laboratory. They are subject to change as common with natural products. OMNIA SRL is not responsible for the accuracy of these results. The buyer remains responsible for the quality evaluation of the product.