

Certificate of Analysis

Analysed essential oil : Himalayan cedarwood

Analysis date : December, 14th 2012

Batch : 347SD201

Shelf life : January 2017

❖ General description

Essential oil	Himalayan cedarwood	Origin	India
Latin name	<i>Cedrus deodara</i>		

❖ Organoleptic characteristics

Appearance	Clear and mobile liquid
Colour	Light yellow
Odour	Characteristic

❖ Physico-chemical characteristics

	Results (at 20°C)	Technical specifications				
Specific gravity	0.934	0.924	<	d	<	0.945
Refractive index	1.5112	1.5090	<	RI	<	1.5170
Optical rotation	+60.75°	+ 57°	<	$[\alpha]^{20}_D$	<	+ 80°

❖ Volatile elucidation

GC : Perkin Elmer – Clarus 500

Column : Elite - 1, 30 m, Ø 0.25 mm, 0.25 µm df

Injection : split

Detector : FID

Carrier gas : H₂

⇒ See Chromatogram : non-polar column

Date : 2014-11-27

Software Version : 6.2.0.0.0:B27
Sample Name : Cèdre Himalaya
Instrument Name : CLARUS 500
Rack/Vial : 0/2
Sample Amount : 1.000000
Cycle : 2

Date : 14/12/2012 09:11:27
Data Acquisition Time : 13/12/2012 19:31:54
Channel : A
Operator : Davenne
Dilution Factor : 1.000000

Result File :
Sequence File : C:\Sequences\CPG\2012\121213.seq

Rapport d'analyse

colonne apolaire

Pic #	Component Name	TR [min]	Area [%]
1		5.38	0.02
2		10.22	0.05
3		11.81	0.02
4		14.04	0.02
5		17.83	0.37
6		18.89	0.01
7		20.01	0.08
8		20.82	0.03
9		28.48	0.11
10		29.35	0.05
11		29.84	0.36
12		30.08	0.14
13		30.26	0.01
14		30.39	0.02
15		30.53	0.15
16	longifolene	30.65	0.60
17		30.92	0.07
18		31.20	0.03
19		31.48	0.99
20		32.01	0.12
21		32.13	0.24
22	himachalene <alpha>	32.43	15.91
23		32.69	0.52
24		32.87	0.09
25		32.97	0.10
26		33.10	0.52
27		33.26	0.38
28	himachalene <gamma>	33.56	11.96
29		33.79	0.16
30		34.03	0.07
31		34.18	0.13
32	himachalene <beta>	34.55	40.36
33		34.93	0.33
34		35.10	0.57
35		35.20	0.56
36		35.47	0.28
37		35.64	0.11
38	bisabolene <(Z)-alpha>	35.96	1.24
39		36.21	0.08
40		36.49	0.20
41		36.76	0.26
42		36.89	0.13
43		37.11	0.04
44		37.64	0.23
45		37.97	0.04
46		38.17	0.45
47		38.31	0.45
48		38.72	0.38
49		38.98	0.33
50		39.17	0.16
51	himachalene <ar>	39.49	1.97
52		39.67	0.10
53	himachalol	39.97	1.04
54		40.20	0.54
55		40.42	0.03
56		40.59	0.02
57	atlantone <(Z)-gamma> + deodar	40.85	2.94
58		41.09	0.10

14/12/2012 09:11:27 Result:

Pic #	Component Name	TR [min]	Area [%]
59	atlantone <(E)-gamma>	41.28	2.42
60	atlantone <(Z)-alpha>	41.65	1.65
61		42.16	0.04
62		42.31	0.03
63		42.48	0.11
64		42.73	0.11
65		43.34	0.09
66	atlantone <(E)-alpha>	43.80	8.94
67		44.43	0.20
68		45.03	0.03
69		45.20	0.02
70		45.59	0.04
71		45.94	0.02
72		47.33	0.05
			100.00

Chromatogram

Sample Name : Cèdre Himalaya Sample #: 347SD201 Page 1 of 1
FileName : C:\Data\Colonne Apolaire\Huiles Essentielles\Cèdre\Cèdre Himalaya\2012\cèdre himalaya 121213.raw
Date : 14/12/2012 09:11:30
Method : cèdre himalaya.mth Time of Injection: 13/12/2012 19:31:54
Start Time : 0.00 min End Time : 82.00 min Low Point : -47.19 mV High Point : 993.88 mV
Plot Offset: -47.19 mV Plot Scale: 1041.1 mV

