

Laboratoire Rosier Davenne

Certificate of Analysis

Modèle/Révision/Date de révision : BAHEFR001 / 0 / 13.06.19

Modification(s) : aucune

Editée le : 13/06/19

p1/1

Analysed Essential oil : Eucalyptus Radiata

Analysis date : November, 29th 2018

Batch : 331QB802

Shelf life : May 2021

❖ General description

Essential oil	Eucalyptus Radiata	Origin	Australia
Latin name	<i>Eucalyptus radiata</i>		

❖ Organoleptic characteristics

Appearance	Clear and mobile liquid
Colour	Colourless
Odour	Characteristic

❖ Physico-chemical characteristics

	Results (at 20°C)	Technical specifications				
Specific gravity	0,918	0.910	<	d	<	0.930
Refractive index	1,4628	1.4600	<	IR	<	1.4670
Optical rotation	+1,60°	+1°	<	$[\alpha]^{20}_D$	<	+5°

❖ Volatile elucidation

GC : Perkin Elmer – Clarus 500

Column : Elite – WAX, 30m, Ø 0.25 mm, 0.25 µm df

Injection : split

Detector : FID

Carrier gas : H₂

⇒ See Chromatogram : polar column

Date : 13 Jun. 19

Software Version : 6.3.2.0646
Sample Name : HE Eucalyptus radiata 331QB802
Instrument Name : CLARUS 500
Rack/Vial : 0/2
Sample Amount : 1.000000
Cycle : 1

Date : 12/13/2018 3:11:18 PM
Data Acquisition Time : 12/13/2018 10:43:10 AM
Channel : B
Operator : Ismerie
Dilution Factor : 1.000000

Result File :
Sequence File : C:\Sequences\CPG\2018\181213.seq

Rapport d'analyse

colonne polaire Elite WAX

pic #	Nom composant	TR [min]	Aire [%]
1	pinene <alpha>	3.01	1.84
2	thujene<alpha>	3.07	0.22
3		3.61	0.01
4	pinene <beta>	4.33	0.59
5	sabinene	4.63	0.96
6	phellandrene <alpha>	5.61	0.33
7	myrcene	5.69	0.95
8	terpinene <alpha>	5.98	0.19
9		6.23	0.02
10	limonene	6.55	5.03
11	cineole <1.8>	6.83	74.31
12		7.65	0.01
13	terpinene <gamma>	7.83	0.47
14	ocimene <(E)-beta>	8.14	0.19
15	cymene <p>	8.53	0.70
16	terpinolene	8.96	0.14
17		14.50	0.01
18		15.54	0.03
19	linalool	18.78	0.39
20		18.93	0.09
21	caryophyllene <(E)>	19.93	0.04
22	terpinen-4-ol	20.28	1.80
23		21.32	0.07
24		21.98	0.02
25		22.84	0.16
26	neral	22.95	0.43
27	terpinyl acetate <alpha>	23.69	0.93
28	borneol+terpineol<alpha>	23.80	8.75
29	piperitone	24.11	0.24
30	bicyclogermacrene+geranial	24.78	0.67
31		26.53	0.02
32		27.52	0.04
33	geraniol	29.19	0.28
34		35.62	0.06
			100.00

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Chromatogram

Sample Name : HE Eucalyptus radiata 331QB802

Sample #: 331QB802

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FileName : C:\Data\Colonne Polaire\Huiles Essentielles\Eucalyptus\Eucalyptus Radiata\2018\eucaalyptus radiata bio 181213.raw

Date : 12/13/2018 3:11:19 PM

Method : eucalyptus radiata.mth

Time of Injection: 12/13/2018 10:43:10 AM

Start Time : 0.00 min End Time : 82.00 min

Low Point : -47.14 mV

High Point : 993.88 mV

Plot Offset: -47.14 mV Plot Scale: 1041.0 mV

