

# Certificate of Analysis

Analysed essential oil : **Virola**

Analysis date : February, 25<sup>th</sup> 2014

Batch : 051EF403

Shelf life : March 2017

## ❖ General description

Essential oil	Virola	Origin	Brazil
Latin name	<i>Vanillosmopsis erythropappa</i>		

## ❖ Organoleptic characteristics

Appearance	Clear and mobile liquid
Colour	Colourless
Odour	Characteristic

## ❖ Physico-chemical characteristics

	Results (at 20°C)	Technical specifications				
Specific gravity	0.930	0.900	<	d	<	0.960
Refractive index	1.4937	1.4900	<	RI	<	1.5000
Optical rotation	-56.35°	-65°	<	$[\alpha]^{20}_d$	<	-50°

## ❖ 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 : H<sub>2</sub>

⇒ See Chromatogram : non-polar column

Date : 2014-11-27

Software Version : 6.2.0.0.0:B27  
Sample Name : Virola  
Instrument Name : CLARUS 500  
Rack/Vial : 0/1  
Sample Amount : 1.000000  
Cycle : 1

Date : 25/02/2014 09:05:24  
Data Acquisition Time : 24/02/2014 17:52:20  
Channel : A  
Operator : Davenne  
Dilution Factor : 1.000000

Result File :  
Sequence File : C:\Sequences\CPG\2014\140224bis.seq

## Rapport d'analyse

colonne apolaire

Pic #	Component Name	TR [min]	Area [%]
1		35.85	0.02
2		37.65	0.04
3		37.84	0.03
4		38.03	0.17
5		38.18	0.05
6		38.39	0.12
7		38.64	0.09
8		38.90	0.08
9		39.34	0.33
10		39.58	0.17
11	bisabolol oxide B <alpha>	39.76	1.86
12		39.98	0.14
13		40.25	1.16
14	bisabolol <alpha>	41.08	95.24
15		41.61	0.15
16		42.02	0.02
17		42.36	0.01
18		42.62	0.02
19		42.76	0.04
20		42.86	0.07
21		43.12	0.04
22		43.45	0.03
23		43.69	0.03
24		43.92	0.02
25		44.25	0.02
26		46.61	0.03
27		47.47	0.02
			100.00

# Chromatogram

Sample Name : Virola

Sample #: 051EF403

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FileName : C:\Data\Colonne Apolaire\Huiles Essentielles\Virola\2014\virola 140224.raw

Date : 25/02/2014 09:05:26

Method : Virola.mth

Time of Injection: 24/02/2014 17:52:20

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

