

Certificate of Analysis

Modèle/Révision/Date de révision : BAHEFR001 / 0 / 05.11.18

Modification(s) : aucune

Editée le : 05/11/18

p1/1

Analysed essential oil : **Green Mandarin**

Analysis date : June, 21th 2018

Batch : 162PE801

Shelf life : December 2019

❖ General description

<u>Essential oil</u>	Green Mandarin	<u>Origin</u>	Argentina
<u>Latin name</u>	<i>Citrus reticulata</i>		

❖ Organoleptic characteristics

<u>Appearance</u>	Opaque, mobile and liquid
<u>Colour</u>	Dark green
<u>Odour</u>	Characteristic

❖ Physico-chemical characteristics

	<u>Results</u> (at 20°C)	<u>Technical specifications</u>				
<u>Specific gravity</u>	0.852	0,840	<	d	<	0,860
<u>Refractive index</u>	1.4720	1,465	<	IR	<	1,485
<u>Optical rotation</u>	ND	-	<	$[\alpha]^{20}_D$	<	-
<u>Peroxyde index</u>	3,3 mmol/L	0 mmol/L	<	IP	<	20 mmol/L

❖ Volatile elucidation

GC : Perkin Elmer – Clarus 500

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

Injection : split

Detector : FID

Carrier gas : H₂

⇒ See Chromatogram : polar column

Date : 5 Nov. 18

Software Version : 6.3.2.0646
Sample Name : HE Mandarine verte 162PE801
Instrument Name : CLARUS 500
Rack/Vial : 0/8
Sample Amount : 1.000000
Cycle : 8

Date : 6/21/2018 9:19:36 AM
Data Acquisition Time : 6/21/2018 4:04:44 AM
Channel : B
Operator : stagiaire
Dilution Factor : 1.000000

Result File :
Sequence File : C:\Sequences\CPG\2018\180620.seq

Rapport d'analyse

colonne polaire Elite WAX

pic #	Nom composant	TR [min]	Aire [%]
1	pinene <alpha>	3.03	2.19
2	thujene <alpha>	3.10	0.78
3	pinene <beta>	4.37	1.51
4	sabinene	4.66	0.29
5		5.65	0.06
6	phellandrene <alpha>+myrcene	5.73	1.88
7		6.03	0.38
8	limonene	6.68	71.97
9	phellandrene <beta>	6.78	0.22
10	terpinene <gamma>	7.97	17.14
11		8.21	0.05
12	cymene <p>	8.61	0.64
13	terpinolene	9.05	0.81
14		9.27	0.08
15		16.84	0.09
16		18.54	0.05
17	linalool	18.91	0.14
18	caryophyllene<E>+elemene<beta>	20.03	0.20
19	terpineol <alpha>	23.88	0.17
20		24.50	0.02
21		25.75	0.08
22	farnesene <(E,E)-alpha>	26.13	0.35
23	methyl anthranilate <methyl-n>	35.49	0.47
24		39.73	0.13
25	sinensal <alpha>	43.50	0.31
			100.00

Laboratoire Rosier Davenne

Chromatogram

Sample Name : HE Mandarine verte 162PE801 Sample # : 162PE801 Page 1 of 1
FileName : C:\Data\Colonne Polaire\Huiles Essentielles\Mandarine\Mandarine Verte\2018\mandarine verte 18620.raw
Date : 6/21/2018 9:19:37 AM
Method : mandarine verte.mth Time of Injection: 6/21/2018 4:04:44 AM
Start Time : 0.00 min End Time : 82.00 min Low Point : -47.09 mV High Point : 993.88 mV
Plot Offset: -47.09 mV Plot Scale: 1041.0 mV

