

# Certificate of Analysis

Analysed essential oil : Savory Gardens

Analysis date : November, 26<sup>th</sup> 2015

Batch : 196SA506

Shelf life : August 2018

## ❖ General description

Essential oil	Savoty Gardens	Origin	France
Latin name	<i>Satureja hortensis</i>		

## ❖ Organoleptic characteristics

Appearance	Clear and mobile liquid
Colour	Pale yellow, almost colourless
Odour	Characteristic

## ❖ Physico-chemical characteristics

	Results (at 20°C)	Technical specifications				
Specific gravity	0.906	0.890	<	d	<	0.940
Refractive index	1.4939	1.4850	<	IR	<	1.5060
Optical rotation	+0.20°	-5°	<	$[\alpha]^{20}_d$	<	+5°

## ❖ 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 : 2015-11-26

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

Date : 26/11/2015 11:12:45  
Data Acquisition Time : 25/11/2015 15:56:19  
Channel : A  
Operator : Davenne  
Dilution Factor : 1.000000

Result File :  
Sequence File : C:\Sequences\CPG\2015\151125.seq

## Rapport d'analyse

colonne apolaire

Pic #	Component Name	TR [min]	Area [%]
1	thujene <alpha>	9.53	1.30
2	pinene <alpha>	9.79	0.85
3	camphene	10.27	0.09
4	sabinene+onten-3-ol <1>	11.21	0.31
5	pinene <beta>	11.36	0.44
6	myrcene	11.98	2.22
7	phellandrene <alpha>	12.50	0.31
8	carene <delta-3>	12.84	0.08
9	terpinene <alpha>	13.04	3.34
10	cymene <p>	13.17	6.47
11	cineole<1.8>+limonene+phelland	13.54	0.62
12	ocimene <(E)-beta>	14.41	0.13
13	terpinene <gamma>	14.90	39.58
14	terpinolene	16.15	0.07
15	sabinene hydrate <trans>	16.29	0.12
16	borneol	19.25	0.16
17	terpinen-4-ol	19.83	0.50
18	terpineol <alpha>	20.33	0.14
19		22.34	0.11
20		23.64	0.15
21		24.56	0.07
22	thymol	24.87	0.14
23	carvacrol	25.30	39.28
24		27.95	0.21
25	caryophyllene <(E)>	30.70	1.69
26		31.48	0.08
27	humulene <alpha>	32.01	0.07
28		33.68	0.11
29	bisabolene <beta>	34.22	0.91
30		35.47	0.08
31		36.41	0.12
32	caryophyllene oxide	36.59	0.13
33		47.84	0.08
34		48.64	0.05
			100.00

# Chromatogram

Sample Name : Sariette des montagnes      Sample #: 196sa506      Page 1 of 1  
FileName : C:\Data\Colonne Apolaire\Huiles Essentielles\Sarriette\Sarriette des Jardins\2015\sarriette des jardins 151125.raw  
Date : 26/11/2015 11:12:45  
Method : Sarriette des Jardins.mth      Time of Injection: 25/11/2015 15:56:19  
Start Time : 0.00 min      End Time : 82.00 min      Low Point : -47.29 mV      High Point : 993.88 mV  
Plot Offset: -47.29 mV      Plot Scale: 1041.2 mV

