

Certificate of Analysis

Analysed essential oil : Palmarosa

Analysis date : April, 28th 2016

Batch : 118VA601

Shelf life : Octobre 2018

❖ General description

Essential oil	Palmarosa	Origin	India
Latin name	<i>Cymbopogon martinii</i> (Roxburgh) W. Watson var. <i>motia</i>		

❖ Organoleptic characteristics

Appearance	Clear and mobile liquid
Colour	Very pale yellow
Odour	Characteristic

❖ Physico-chemical characteristics

	Results (at 20°C)	Technical specifications				
Specific gravity	0.886	0.880	<	d	<	0.894
Refractive index	1.4730	1.4710	<	IR	<	1.4780
Optical rotation	+0.10°	-1.4°	<	$[\alpha]^{20}_D$	<	+3°

❖ 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 : 2016-04-28

Software Version : 6.3.2.0646
Sample Name : Palmarosa 118VA601
Instrument Name : CLARUS 500
Rack/Vial : 0/3
Sample Amount : 1.000000
Cycle : 3

Date : 4/28/2016 10:59:54 AM
Data Acquisition Time : 4/27/2016 7:29:02 PM
Channel : A
Operator : Charlene
Dilution Factor : 1.000000

Result File :
Sequence File : C:\Sequences\CPG\2016\160427b.seq

Rapport d'analyse

colonne apolaire

Pic #	Component Name	TR [min]	Area [%]
1	myrcene	11.98	0.20
2	limonene	13.56	0.12
3	ocimene <(Z)-beta>	13.91	0.41
4	ocimene <(E)-beta>	14.39	1.43
5	linalool	16.46	2.48
6	nerol	22.12	0.13
7	neral	22.29	0.14
8	geraniol	23.49	81.52
9	geranial+?	23.62	1.36
10		24.68	0.06
11	geranyl formate	25.30	0.08
12	geranyl acetate	28.70	7.39
13	elemene <beta>	29.57	0.08
14	caryophyllene <(E)>	30.68	1.92
15	humulene <alpha>	31.98	0.12
16		33.14	0.06
17		33.54	0.06
18	geranyl butanoate	35.74	0.19
19	nerolidol <(E)>	36.01	0.17
20	caryophyllene oxide	36.57	0.18
21		37.61	0.04
22	farnesol <(2E,6E)>	41.64	0.86
23	geranyl caproate	42.75	0.72
24	farnesyl acetate <(2E,6E)>	45.65	0.10
25		49.22	0.17
			100.00

Chromatogram

Sample Name : Palmarosa 118VA601 Sample #: 118VA601 Page 1 of 1
 FileName : C:\Data\Colonne Apolaire\Huiles Essentielles\Palmarosa\2016\palmarosa 160427.raw
 Date : 4/28/2016 10:59:55 AM
 Method : palmarosa.mth Time of Injection: 4/27/2016 7:29:02 PM
 Start Time : 0.00 min End Time : 82.00 min Low Point : -47.23 mV High Point : 993.88 mV
 Plot Offset: -47.23 mV Plot Scale: 1041.1 mV

