

Laboratoire Rosier Davenne

CERTIFICATE OF ANALYSIS

Model/Product/Revision/Date of revision : BAHEEN001 / Sweet orange EO / 0 / 08-02-19
Modification(s) : none
Published : 21/11/2019

p1/1

Sweet orange EO

Laboratoire Rosier Davenne code : **010/CITSIN**

Date of analysis : 27/09/2019

Batch number : **269BAI901**

Retest date (shelf life): **04/2021**

❖ General description

Essential oil	Sweet orange EO	Origin	Spain
Latin name	<i>Citrus sinensis</i>		

❖ Sensory quality

Aspect	Clear and mobile liquid	Conform
Color	Orange	Conform
Odor	Characteristic, recall the fruit	Conform

❖ Analytical quality

	Laboratoire Rosier Davenne specifications	Results	Conclusion
Density (20°C)	0,842 - 0,850	0.846	Conform
Refractive index (20°C)	1,4700 - 1,4760	1.4736	Conform
Optical rotation (20°C)	+94° à +99°	95.75	Conform
Peroxide index	< 20 mmols/L	1.8	Conform

❖ Chromatography analyse

GC : Perkin Elmer - Clarus 500
Column : Elite - Wax, 30 m, Ø 0.25 mm, 0.25 µm df
Injection : split
Detector : FID
Carrier gas : H2

-> See chromatography attached (polar column)

❖ Conclusion

Batch accepted.

Software Version : 6.3.2.0646
Sample Name : HE Orange Douce 269BAI901
Instrument Name : CLARUS 500
Rack/Vial : 0/1
Sample Amount : 1.000000
Cycle : 1

Date : 10/2/2019 12:52:02 PM
Data Acquisition Time : 9/26/2019 5:41:08 PM
Channel : B
Operator : Christophe
Dilution Factor : 1.000000

Result File :
Sequence File : C:\Sequences\CPG\2019\190926.seq

Rapport d'analyse

colonne polaire Elite WAX

pic #	Nom composant	TR [min]	Aire [%]
1	pinene <alpha>	2.97	0.50
2	pinene<beta>	4.26	0.10
3	sabinene	4.55	0.45
4	carene <delta-3>	5.14	0.12
5	phellandrene<alpha>	5.52	0.03
6	myrcene	5.60	1.83
7	limonene	6.56	95.12
8	phellandrene<beta>	6.64	0.26
9		7.70	0.07
10	ocimene <E-Beta>	8.01	0.04
11		8.83	0.03
12	octanal <n>	9.05	0.11
13		12.69	0.03
14	citronellal	15.77	0.03
15		15.93	0.02
16	decanal <n>	16.57	0.23
17	linalool	18.60	0.23
18		18.91	0.14
19		19.64	0.02
20		19.78	0.04
21	neral	22.74	0.03
22	terpineol<alpha>	23.54	0.13
23	valencene	24.11	0.15
24		24.28	0.03
25	geranial	24.56	0.06
26		26.29	0.08
27		28.97	0.03
28		40.30	0.03
29		47.01	0.03
30		58.50	0.04
			100.00

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Chromatogram

Sample Name : HE Orange Douce 269BAI901 Sample #: 1 Page 1 of 1
FileName : C:\Data\Colonne Polaire\2019\190926_HE Orange Douce 269BAI901_001.raw
Date : 10/2/2019 12:52:04 PM
Method : Orange Douce.mth Time of Injection: 9/26/2019 5:41:08 PM
Start Time : 0.00 min End Time : 82.00 min Low Point : -47.12 mV High Point : 993.88 mV
Plot Offset: -47.12 mV Plot Scale: 1041.0 mV

