

Laboratoire Rosier Davenne

CERTIFICATE OF ANALYSIS

Model/Product/Revision/Date of revision : BAHEEN001 / Grapefruit EO / 0 / 08-02-19
Modification(s) : none
Published : 04/02/2021

p1/1

Grapefruit EO

Laboratoire Rosier Davenne code : 01P/CITPAR2

Date of analysis : 13/03/2020

Batch number : 073TO001

Retest date (shelf life): 10/2021

❖ General description

Essential oil	Grapefruit EO	Origin	Israël
Latin name	<i>Citrus x paradisi</i>		

❖ Sensory quality

Aspect	Clear and mobile liquid	Conform
Color	Yellow orange	Conform
Odor	Characteristic of the peel of the fruit	Conform

❖ Analytical quality

	Laboratoire Rosier Davenne specifications	Results	Conclusion
Density (20°C)	0,840 - 0,860	0.851	Conform
Refractive index (20°C)	1,4700 - 1,4790	1.4753	Conform
Optical rotation (20°C)	+89° à +98°	94.15	Conform
Peroxide index	< 20 mmols/L	5.9	Conform

❖ Chromatography analyse

GC : Perkin Elmer - Clarus

Column : see report

Injection : split

Detector : FID

Carrier gas : H2

-> See chromatography attached

❖ Conclusion

Batch accepted.

Software Version : 6.3.4.0700
Sample Name : HE Pamplemousse 073TO001
Instrument Name : Clarus 590
Rack/Vial : 0/2
Sample Amount : 1.000000
Cycle : 1

Date : 16/03/2020 15:30:42
Data Acquisition Time : 13/03/2020 17:25:56
Channel : B
Operator : Sarah
Dilution Factor : 1.000000

Result File :
Sequence File : C:\Clarus 590\Sequences\2020\200313.seq

Rapport d'analyse - Laboratoire Rosier Davenne

Colonne polaire : Elite-Wax 60m, Ø 0,25mm, 0.25µm df

Pic #	Component Name	Tr [min]	Area [%]
1	pinene <alpha>	6.03	0.52
2	pinene <beta>	7.98	0.04
3	carene <delta-3>	8.32	0.37
4	myrcene+phellandrene<alpha>	9.56	1.89
5	limonene	10.88	95.24
6	phellandrene <beta>	11.04	0.25
7	ocimene <E-beta>	12.50	0.06
8	octanal <n>	13.79	0.38
9		16.40	0.04
10		17.80	0.04
11		21.13	0.06
12	copaene <alpha>	21.78	0.09
13	decanal <n>	21.94	0.24
14		23.56	0.08
15	linalool	23.85	0.07
16	caryophyllene <E>	25.74	0.23
17		28.42	0.04
18		28.70	0.04
19	neral	29.37	0.04
20		29.87	0.08
21		30.56	0.08
22	geranial	31.70	0.13
			100.00

Laboratoire Rosier Davenne

Chromatogram

Sample Name : HE Pamplmousse 073TO001 Sample #: 3 Page 1 of 1
File Name : C:\Clarus 590\Data\Colonne Polaire\2020\200313_HE Pamplmousse 073TO001_003.raw
Date : 16/03/2020 15:30:53
Method : Pamplmousse blanc.mth Time of Injection: 13/03/2020 17:25:56
Start Time : 0.00 min End Time : 80.00 min Low Point : -45.05 mV High Point : 954.95 mV
Plot Offset: -45.05 mV Plot Scale: 1000.0 mV

