

# Laboratoire Rosier Davenne

## CERTIFICATE OF ANALYSIS

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

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### Lemon EO

Laboratoire Rosier Davenne code : **01C/CITLIM**

Date of analysis : 06/10/2020

Batch number : **280BA002**

Retest date (shelf life): **05/2022**

#### ❖ General description

Essential oil	Lemon EO	Origin	Italy
Latin name	<i>Citrus limon</i>		

#### ❖ Sensory quality

Aspect	Clear and mobile liquid	Conform
Color	Green-yellow	Conform
Odor	Characteristic of the peel of the fruit	Conform

#### ❖ Analytical quality

	Laboratoire Rosier Davenne specifications	Results	Conclusion
Density (20°C)	0,850 - 0,858	0.855	Conform
Refractive index (20°C)	1,4730 - 1,4760	1.4746	Conform
Optical rotation (20°C)	+57° à +70°	58.55	Conform
Peroxide index	[0;20]	9.4	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 Citron 280BA002  
 Instrument Name : Clarus 590  
 Rack/Vial : 0/6  
 Sample Amount : 1.000000  
 Cycle : 7

Date : 10/7/2020 10:53:41 AM  
 Data Acquisition Time : 10/7/2020 1:34:48 AM  
 Channel : B  
 Operator : Sarah  
 Dilution Factor : 1.000000

Result File :  
 Sequence File : C:\Clarus 590\Sequences\2020\201006.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>	6.01	2.17
2	thujene <alpha>	6.08	0.42
3	camphene	6.91	0.07
4	pinene <beta>	7.96	14.75
5		8.01	0.01
6	sabinene	8.27	2.55
7	myrcene+phellandrene<alpha>	9.49	1.56
8	terpinene <alpha>	9.98	0.18
9	limonene	10.74	64.11
10	phellandrene <beta>	10.92	0.35
11	ocimene <(Z)-beta>	11.81	0.03
12	terpinene <gamma>	12.21	8.74
13	ocimene <(E)-beta>	12.39	0.07
14	cymene <p>	13.01	0.33
15	terpinolene	13.49	0.18
16	octanal <n>	13.65	0.07
17		17.61	0.10
18		20.33	0.03
19	citronellal	20.90	0.08
20		21.69	0.04
21	linalool	23.60	0.06
22		25.09	0.11
23	caryophyllene <beta>	25.40	0.17
24	terpinen-4-ol	25.54	0.03
25		27.93	0.04
26	neral	28.39	1.08
27	terpineol <alpha>	29.04	0.15
28	geranial+neryl ACT+bisabolene<	30.23	2.10
29	geranyl acetate	31.35	0.41
30		32.81	0.03
			100.00

# Chromatogram

Sample Name : HE Citron 280BA002

Sample #: 7

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FileName : C:\Clarus 590\Data\Colonne Polaire\2020\201006\_HE Citron 280BA002\_007.raw

Date : 10/7/2020 10:53:48 AM

Method : Citron.mth

Time of Injection: 10/7/2020 1:34:48 AM

Start Time : 0.00 min

End Time : 80.00 min

Low Point : -45.07 mV

High Point : 954.93 mV

Plot Offset: -45.07 mV

Plot Scale: 1000.0 mV

