

# Laboratoire Rosier Davenne

## CERTIFICATE OF ANALYSIS

Model/Product/Revision/Date of revision : BAHEEN001 / Rosemary (cineol type) EO / 0 / 08-02-19

Modification(s) : none

Published : 22/09/2020

p1/1

### Rosemary (cineol type) EO

Laboratoire Rosier Davenne code : 01R/ROSOFF

Date of analysis : 29/11/2019

Batch number : 333NA904

Retest date (shelf life): 12/2022

#### ❖ General description

Essential oil	Rosemary (cineol type) EO	Origin	Morocco
Latin name	<i>Rosmarinus officinalis cineoliferum</i>		

#### ❖ Sensory quality

Aspect	Clear and mobile liquid	Conform
Color	Colorless	Conform
Odor	Fresh, camphor	Conform

#### ❖ Analytical quality

	Laboratoire Rosier Davenne specifications	Results	Conclusion
Density (20°C)	0,907 - 0,920	0.910	Conform
Refractive index (20°C)	1,4640 - 1,4740	1.4673	Conform
Optical rotation (20°C)	-2° à +6°	3.45	Conform
Peroxide index	Not applicable	Not applicable	Not Applicable

#### ❖ 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 Romarin a cineole 333NA904  
Instrument Name : Clarus 590  
Rack/Vial : 0/11  
Sample Amount : 1.000000  
Cycle : 1  
Date : 03/12/2019 13:40:09  
Data Acquisition Time : 30/11/2019 06:33:34  
Channel : B  
Operator : Sarah  
Dilution Factor : 1.000000

Result File :  
Sequence File : C:\Clarus 590\Sequences\2019\191129.seq

## Rapport d'analyse

Colonne polaire

Pic #	Component Name	Tr [min]	Area [%]
1	tricyclene	5.16	0.02
2	pinene <alpha>+thujene<alpha>	5.41	11.77
3		5.79	0.01
4	fenchene <alpha>	6.03	0.70
5	camphene	6.21	3.64
6		6.50	0.01
7		6.83	0.01
8	pinene <beta>	7.15	5.50
9	sabinene	7.42	0.14
10		7.54	0.01
11		7.83	0.01
12	carene <delta-3>	8.19	0.03
13	myrcene	8.59	1.69
14	phellandrene<alpha>	8.68	0.35
15		8.81	0.07
16	terpinene <alpha>	9.13	0.64
17	phellandrene <beta>+limonene	9.83	4.31
18	cineole <1,8>	10.29	43.01
19	ocimene <Z-beta>	11.05	0.03
20	terpinene <gamma>	11.50	0.86
21		11.63	0.01
22	octanone <3> + ?	11.74	0.03
23	cymene <p>	12.47	2.23
24	terpinolene	13.01	0.39
25		13.23	0.01
26		18.13	0.02
27		20.27	0.05
28		20.46	0.20
29		21.20	0.03

03/12/2019 13:40:09 Result:

Pic #	Component Name	Tr [min]	Area [%]
30		21.76	0.01
31	copaene <alpha>	23.35	0.02
32	camphor	24.25	12.10
33	pinocamphone <cis>	26.20	0.01
34	linalool	26.48	0.95
35		26.95	0.01
36	bornyl acetate	27.95	0.78
37		28.21	0.05
38	caryophyllene<E>	28.84	4.71
39	terpinen-4-ol	29.10	0.72
40		29.24	0.06
41		29.67	0.02
42		31.87	0.02
43	humulene <alpha>	32.54	0.33
44		32.88	0.05
45	verbenone	34.04	0.12
46	terpineol <alpha>	34.27	1.74
47	borneol	34.43	2.41
48		35.95	0.01
49		37.37	0.03
50		42.30	0.01
51	caryophyllene <oxide>	48.08	0.05
			100.00

---

Laboratoire Rosier Davenne

---

# Chromatogram

Sample Name : HE Romarin a cineole 333NA904      Sample #: 11      Page 1 of 1  
File Name : C:\Clarus 590\Data\Colonne Polaire\2019\191129\_HE Romarin a cineole 333NA904\_011.raw  
Date : 03/12/2019 13:40:44  
Method : Romarin a cineole.mth      Time of Injection: 30/11/2019 06:33:34  
Start Time : 0.00 min      End Time : 50.03 min      Low Point : -177.46 mV      High Point : 708.32 mV  
Plot Offset: -177.46 mV      Plot Scale: 885.8 mV

