

Laboratoire Rosier Davenne

CERTIFICATE OF ANALYSIS

Model/Product/Revision/Date of revision : BAHEEN001 / Organic ravintsara EO / 0 / 08-02-19
Modification(s) : none
Published : 09/11/2020

p1/1

Organic ravintsara EO

Laboratoire Rosier Davenne code : **02R/CINCAM**

Date of analysis : 29/04/2020

Batch number : **120FP001**

Retest date (shelf life): **11/2022**

❖ General description

Essential oil	Organic ravintsara EO	Origin	Madagascar
Latin name	<i>Cinnamomum camphora</i> (L.) J.Presl (CT cineol-1,8)		

❖ Sensory quality

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

❖ Analytical quality

	Laboratoire Rosier Davenne specifications	Results	Conclusion
Density (20°C)	0,900 - 0,915	0.905	Conform
Refractive index (20°C)	1,4600 - 1,4700	1.4646	Conform
Optical rotation (20°C)	-25° à -10°	-18.20	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 Ravintsara 120FP001
 Instrument Name : Clarus 590
 Rack/Vial : 0/2
 Sample Amount : 1.000000
 Cycle : 3

Date : 30/04/2020 11:03:10
 Data Acquisition Time : 29/04/2020 19:22:05
 Channel : B
 Operator : Sarah
 Dilution Factor : 1.000000

Result File :
 Sequence File : C:\Clarus 590\Sequences\2020\200429.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	5.03
2	thujene <alpha>	6.10	0.89
3	camphene	6.95	0.18
4	pinene <beta>	7.98	3.59
5	sabinene	8.35	14.46
6	myrcene	9.54	1.65
7	phellandrene <alpha>	9.59	0.05
8	terpinene <alpha>	10.06	0.91
9	limonene	10.72	0.80
10	cineole <1,8>	11.12	58.03
11	ocimene <(Z)-beta>	11.89	0.05
12	terpinene <gamma>	12.28	1.47
13	ocimene <(E)-beta>	12.48	0.28
14	cymene <p>	13.11	0.22
15	terpinolene	13.61	0.37
16	sabinene hydrate <cis>	20.53	0.27
17	sabinene hydrate <trans>	23.75	0.14
18		23.82	0.04
19	menth-2-en-1-ol<trans-p>	24.32	0.09
20	elemene <beta>	25.53	0.07
21	caryophyllene <(E)>	25.75	0.49
22	terpinen-4-ol	25.82	2.14
23	menth-2-en-1-ol<cis-p>	26.80	0.06
24	humulene<alpha>+terpineol<delt	28.42	1.13
25	terpineol <alpha>	29.38	6.56
26	borneol	29.49	0.12
27	germacrene D	29.89	0.23
28	selinene <beta>	30.24	0.14
29	selinene <alpha>	30.42	0.08
30	bicyclogermacrene	30.75	0.31
31	nerol	33.12	0.06
32	germacrene B	34.08	0.06
			100.00

Chromatogram

Sample Name : HE Ravintsara 120FP001 Sample #: 3 Page 1 of 1
FileName : C:\Clarus 590\Data\Colonne Polaire\2020\200429_HE Ravintsara 120FP001_003.raw
Date : 30/04/2020 11:03:22
Method : Ravintsara.mth Time of Injection: 29/04/2020 19:22:05
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

