

Laboratoire Rosier Davenne

CERTIFICATE OF ANALYSIS

Model/Product/Revision/Date of revision : BAHEEN001 / Virola (Natural alpha bisabolol) EO / 0 / 08-02-19

Modification(s) : none

Published : 24/10/2019

p1/1

Virola (Natural alpha bisabolol) EO

Laboratoire Rosier Davenne code : 01V/VIROLE

Date of analysis : 03/10/2019

Batch number : 275DG905

Retest date (shelf life): 11/2022

❖ General description

| | | | |
|---------------|-------------------------------------|--------|--------|
| Essential oil | Virola (Natural alpha bisabolol) EO | Origin | Brasil |
| Latin name | <i>Vanillosmopsis erythropappa</i> | | |

❖ Sensory quality

| | | |
|--------|----------------|---------|
| Aspect | Viscous liquid | Conform |
| Color | Colorless | Conform |
| Odor | Characteristic | Conform |

❖ Analytical quality

| | Laboratoire Rosier Davenne specifications | Results | Conclusion |
|-------------------------|---|----------------|----------------|
| Density (20°C) | 0,900 - 0,960 | 0.933 | Conform |
| Refractive index (20°C) | 1,4900 - 1,5000 | 1.4960 | Conform |
| Optical rotation (20°C) | -65° à -50° | -54.80 | Conform |
| Peroxide index | Not applicable | Not applicable | Not applicable |

❖ 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 Virola 275DG905
Instrument Name : CLARUS 500
Rack/Vial : 0/6
Sample Amount : 1.000000
Cycle : 6

Date : 10/3/2019 9:59:28 AM
Data Acquisition Time : 10/3/2019 1:32:32 AM
Channel : B
Operator : Christophe
Dilution Factor : 1.000000

Result File :
Sequence File : C:\Sequences\CPG\2019\191002.seq

Rapport d'analyse

colonne polaire Elite WAX

| pic # | Nom composant | TR [min] | Aire [%] |
|-------|---------------------------|----------|----------|
| 1 | | 24.84 | 0.05 |
| 2 | | 26.51 | 0.08 |
| 3 | | 37.11 | 0.71 |
| 4 | bisabolol oxide B <alpha> | 37.37 | 0.78 |
| 5 | | 37.91 | 0.09 |
| 6 | | 38.34 | 0.34 |
| 7 | | 38.51 | 0.06 |
| 8 | | 38.98 | 0.08 |
| 9 | | 39.38 | 0.22 |
| 10 | | 39.68 | 0.43 |
| 11 | | 39.99 | 1.70 |
| 12 | bisabolol <alpha> | 40.47 | 94.63 |
| 13 | | 41.28 | 0.02 |
| 14 | | 45.24 | 0.04 |
| 15 | | 46.98 | 0.03 |
| 16 | | 47.78 | 0.11 |
| 17 | | 48.57 | 0.04 |
| 18 | | 48.86 | 0.10 |
| 19 | | 49.36 | 0.06 |
| 20 | | 49.44 | 0.05 |
| 21 | | 50.90 | 0.06 |
| 22 | | 51.22 | 0.03 |
| 23 | | 52.26 | 0.14 |
| 24 | | 56.03 | 0.10 |
| 25 | | 58.93 | 0.06 |
| | | | 100.00 |

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Chromatogram

Sample Name : HE Virola 275DG905 Sample #: 6 Page 1 of 1
FileName : C:\Data\Colonne Polaire\2019\191002_HE Virola 275DG905_006.raw
Date : 10/3/2019 9:59:49 AM
Method : Virola.mth Time of Injection: 10/3/2019 1:32:32 AM
Start Time : 0.00 min End Time : 82.00 min Low Point : -47.17 mV High Point : 993.88 mV
Plot Offset: -47.17 mV Plot Scale: 1041.1 mV

