
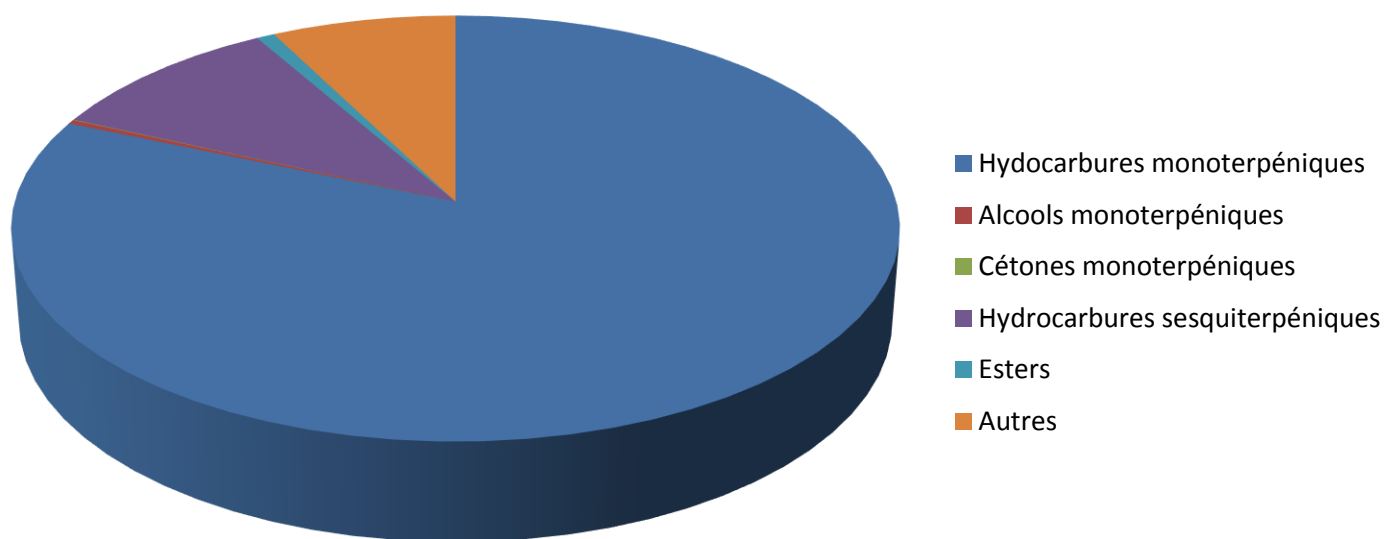


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|---|--|--|---------------------|
| <br><b>JE INTERNATIONAL</b> | <b>ENREGISTREMENT DES BULLETINS<br/>ANALYTIQUES : CHROMATOGRAPHIE<br/>ESSENTIAL OIL CHROMATOGRAPHY SHEET<br/>RECORDS</b> | <b>FORM-LAB005-B</b>   | <b>Page 1 sur 4</b> |
|   |  | <b>Date d'entrée en vigueur / taking<br/>effect : 10/06/2011</b> |                     |

|  |   |   |
|--|---|---|
| Date   | : | 24/08/2016                                    |
| Référence produit / Product reference                                      | : | FLE080  |
| Huile essentielle de / Essential oil of                                    | : | Sapin Argenté / Silver Fir                    |
| Numéro de lot / Lot Number   | : | B080816F1-2                                   |
| Densité à 20°C (g/cm <sup>3</sup> ) / Density to 20°C (g/cm <sup>3</sup> ) | : | 0.8823  |
| Indice de réfraction / Refractive index                                    | : | 1.47476                                       |
| Pouvoir rotatoire à 20°C / Optical rotation to 20°C                        | : | -39   |
| Mode de culture / Culture mode   | : | Sauvage / Wild                                |
| Pays / Country   | : | France  |
| Date de production / Production date                                       | : | 03/2016                                       |
| D.L.U. / Shelf life  | : | 04/2021                                       |
| Mode d'extraction / Extraction mode  | : | Distillation à la vapeur / Steam distillation |
| % Bio / % Organic  | : | 100% Bio / 100% Organic                       |
| Nom Latin / Latin Name   | : | Abies Alba                                    |
| Parties utilisées / Used Parts   | : | Aiguilles / Needles                           |



| Molécule            | %      |
|---------------------|--------|
| SANTENE             | 0.918  |
| TRICYCLEN           | 1.169  |
| ALPHA-THUJENE       | 0.028  |
| ALPHA-PINENE        | 24.269 |
| CAMPHENE            | 8.662  |
| THUJA-2,4(10)-DIENE | 0.035  |
| SABINENE            | 0.042  |
| BETA-PINENE         | 23.234 |
| MYRCENE             | 1.148  |
| DELTA-3-CARENE      | 0.047  |
| ALPHA-PHELLANDRENE  | 0.065  |
| ALPHA-TERPINENE     | 0.015  |
| PARA-CYMENE         | 0.128  |
| <b>LIMONENE *</b>   | 20.822 |
| GAMMA-TERPINENE     | 0.028  |
| TERPINOLENE         | 0.220  |
| CAMPHOLALDEHYDE     | 0.099  |
| CAMPHRE             | 0.1    |
| BORNEOL             | 0.332  |
| TERPINENE-4-OL      | 0.044  |
| ALPHA-TERPINEOL     | 0.518  |

| Molécule                        | %     |
|---------------------------------|-------|
| ACETATE DE BORNYLE + ISOBORNYLE | 4.977 |
| ACETATE DE CITRONNELLYLE        | 0.369 |
| ACETATE D'ALPHA-TERPENYLE       | 0.160 |
| ALPHA-COPAENE                   | 0.194 |
| SIBIRENE                        | 0.106 |
| LONGIFOLENE                     | 0.134 |
| BETA-CARYOPHYLLENE              | 2.924 |
| SESQUITERPENE Mw=204            | 0.306 |
| ALPHA-HIMACHALENE               | 0.163 |
| ALPHA-HUMULENE                  | 1.42  |
| 2-(2)-EPI-BETA-CARYOPHYLLENE    | 0.397 |
| GAMMA-HIMACHALENE               | 0.266 |
| BETA-SELINENE                   | 0.299 |
| ALPHA-SELINENE                  | 0.493 |
| BETA-HIMACHALENE                | 0.151 |
| DELTA-AMORPHENE                 | 0.286 |
| GAMMA-CADINENE                  | 0.526 |
| DELTA-CADINENE                  | 0.936 |
| OXYDE DE CARYOPHYLLENE          | 0.389 |
| LONGIBORNEOL                    | 0.020 |
| 1-10-DIEPI-CUBENOL              | 0.378 |

|   |  |  |                     |
|---|--|--|---------------------|
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|   |  | <b>Date d'entrée en vigueur / taking effect : 10/06/2011</b> |                     |

| Molécule | %      |
|----------|--------|
| Total    | 96.817 |

- \* = Substance(s) allergène(s) / allergen(s)  
\*\* = Substance(s) classée(s) CMR / Substance(s) classified as CMR

