
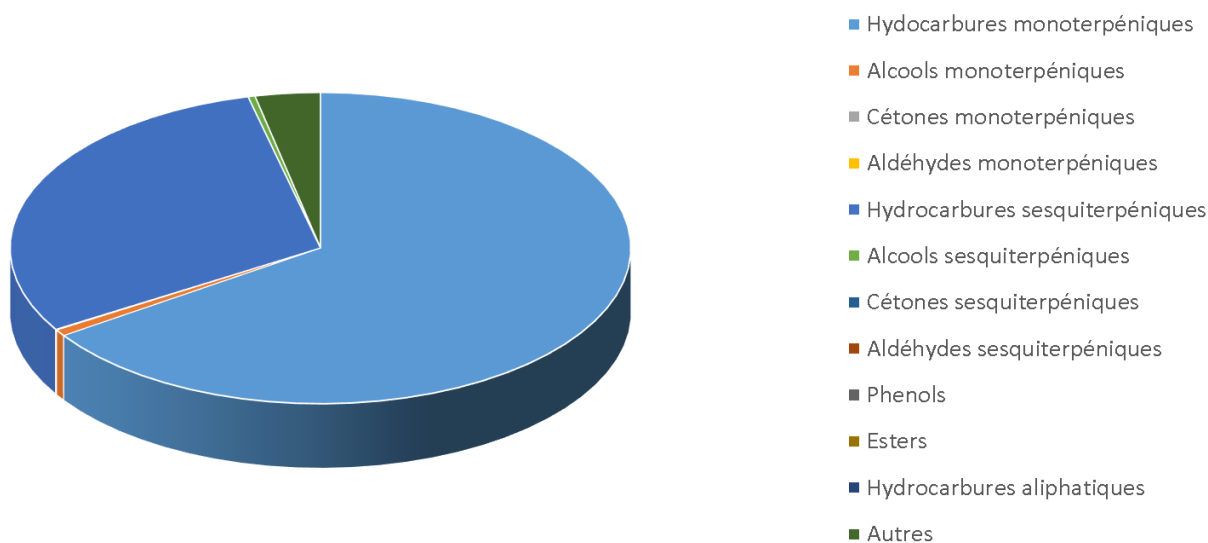



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|  JE INTERNATIONAL | ENREGISTREMENT DES BULLETINS ANALYTIQUES : CHROMATOGRAPHIE ESSENTIAL OIL CHROMATOGRAPHY SHEET RECORDS | FORM-LAB005-B | Page 1 sur 3 |
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Date : 27/04/2018
 Référence produit / Product reference : FLE122
 Huile essentielle de / Essential oil of : Poivre noir / Black pepper
 Numéro de lot / Lot Number : B270418LK
 Densité à 20°C (g/cm³) / Density to 20°C (g/cm³) : 0.8823
 Indice de réfraction / Refractive index : 1.48102
 Pouvoir rotatoire à 20°C / Optical rotation to 20°C : -21.58
 Mode de culture / Culture mode : Cultivé / Cultivated
 Pays / Country : SRI LANKA
 Date de production / Production date : 04/2018
 D.L.U. / Shelf life : 05/2023
 Mode d'extraction / Extraction mode : Distillation à la vapeur / Steam distillation
 % Bio / % Organic : 100%
 Nom Latin / Latin Name : Piper nigrum L.
 Parties utilisées / Used Parts : Baies - Berries



| Molécule | % |
|--------------------------|--------------|
| TRICYCLEN | 0.02 |
| ALPHA-THUJENE | 0.813 |
| ALPHA-PINENE | 13.771 |
| FENCHENE | 0.009 |
| CAMPHENE | 0.271 |
| SABINENE | 15.158 |
| BETA-PINENE | 8.411 |
| MYRCENE | 0.485 |
| ALPHA-PHELLANDRENE | 0.025 |
| DELTA-3-CARENE | 8.453 |
| ALPHA-TERPINENE | 0.019 |
| ORTHO-CYMENE | 0.03 |
| PARA-CYMENE | 1.229 |
| LIMONENE * | 14.754 |
| BETA-PHELLANDRENE | 0.514 |
| 1,8-CINEOLE (EUCALYPTOL) | 0.237 |
| (E)-BETA-OCIMENE | 0.021 |
| GAMMA-TERPINENE | 4.977 |
| TERPINOLENE | 0.043 |
| LINALOL * | 0.097 |
| TRANS-SABINOL | 0.105 |
| TERPINENE-4-OL | 0.345 |
| ALPHA-TERPINEOL | 0.129 |
| CARVONE | 0.068 |
| CAR-3-ENE-2-ONE | 0.036 |
| DELTA-ELEMENE | 0.523 |
| ALPHA-CUBEBENE | 0.093 |
| ACETATE D'YLANGENE | 0.045 |
| ALPHA-COPAENE | 1.256 |
| BETA-ELEMENE | 0.194 |
| BETA-CARYOPHYLLENE | 21.744 |
| GAMMA-ELEMENE | 0.161 |
| ALPHA-TRANS-BERGAMOTENE | 0.051 |
| ALPHA-HUMULENE | 0.358 |
| GAMMA-MUUROLENE | 0.039 |
| BETA-SELINENE | 0.108 |

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|------------------------|---------------|
| ALPHA-MUUROLENE | 0.181 |
| BETA-BISABOLENE | 0.299 |
| DELTA-CADINENE | 0.302 |
| CIS-CALAMENENE | 0.074 |
| (E)-NEROLIDOL | 0.185 |
| SPATHULENOL | 0.12 |
| OXYDE DE CARYOPHYLLENE | 2.759 |
| HUMULENE -1,2-EPOXYDE | 0.101 |
| Total | 98.613 |

* = Substance(s) allergène(s) / allergen(s)

** = Substance(s) classée(s) CMR / Substance(s) classified as CMR

