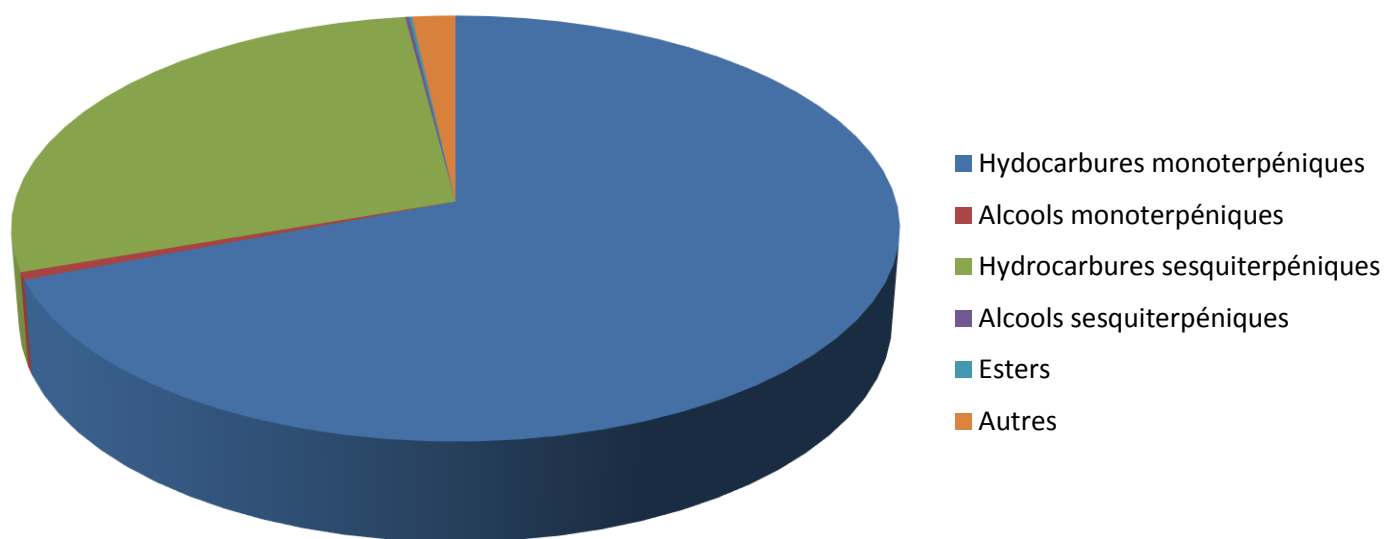


| | | | |
|---|--|--|---------------------|
|  JE INTERNATIONAL | ENREGISTREMENT DES BULLETINS ANALYTIQUES : CHROMATOGRAPHIE ESSENTIAL OIL CHROMATOGRAPHY SHEET RECORDS | FORM-LAB005-B | Page 1 sur 3 |
| | | Date d'entrée en vigueur / taking effect : 10/06/2011 | |

| | | |
|--|---|---|
| Date | : | 28/01/2016 |
| Référence produit / Product reference | : | FLE122 |
| Huile essentielle de / Essential oil of | : | Poivre noir / Black pepper |
| Numéro de lot / Lot Number | : | B251115LK |
| Densité à 20°C (g/cm ³) / Density to 20°C (g/cm ³) | : | 0.870 |
| Indice de réfraction / Refractive index | : | 1.47929 |
| Pouvoir rotatoire à 20°C / Optical rotation to 20°C | : | -26.96° |
| Mode de culture / Culture mode | : | Cultivé / Cultivated |
| Pays / Country | : | SRI LANKA |
| Date de production / Production date | : | 01/2016 |
| D.L.U. / Shelf life | : | 02/2021 |
| Mode d'extraction / Extraction mode | : | Distillation à la vapeur / Steam distillation |
| % Bio / % Organic | : | 100% Bio / 100% Organic |
| Nom Latin / Latin Name | : | Piper nigrum |
| Parties utilisées / Used Parts | : | Baies / Berry |



| Molécule | % |
|---------------------------|--------|
| ALPHA-THUJENE | 0.846 |
| ALPHA-PINENE | 12.615 |
| CAMPHENE | 0.353 |
| SABINENE | 16.890 |
| BETA-PINENE | 11.047 |
| MYRCENE | 1.015 |
| ALPHA-PHELLANDRENE | 0.435 |
| DELTA-3-CARENE | 8.794 |
| ALPHA-TERPINENE | 0.096 |
| PARA-CYMENE | 0.645 |
| LIMONENE * | 15.045 |
| BETA-PHELLANDRENE | 0.759 |
| EUCALYPTOL | 0.195 |
| (E)-BETA-OCIMENE | 0.087 |
| GAMMA-TERPINENE | 0.172 |
| TERPINOLENE | 0.196 |
| LINALOL * | 0.145 |
| TERPINENE-4-OL | 0.353 |
| ALPHA-TERPINEOL | 0.075 |
| DELTA-ELEMENE | 0.646 |
| ACETATE D'ALPHA-TERPENYLE | 0.121 |

| Molécule | % |
|------------------------|---------------|
| BETA-ELEMENE ISOMERE | 0.058 |
| ALPHA-COPAENE | 1.467 |
| BETA-ELEMENE | 0.092 |
| BETA-CARYOPHYLLENE | 23.600 |
| GAMMA-ELEMENE | 0.230 |
| ALPHA-GUAIENE | 0.052 |
| ALPHA-HUMULENE | 0.690 |
| GERMACRENE D | 0.123 |
| BETA-SELINENE | 0.070 |
| BICYCLOGERMACRENE | 0.098 |
| ALPHA-MUUROLENE | 0.185 |
| BETA-BISABOLENE | 0.305 |
| DELTA-CADINENE | 0.569 |
| CIS-CALAMENENE | 0.079 |
| (E)-NEROLIDOL | 0.058 |
| SPATHULENOL | 0.094 |
| OXYDE DE CARYOPHYLLENE | 0.957 |
| Mw=222 | 0.159 |
| Total | 99.416 |

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

