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*Certificate of Analysis & Gas Chromatography*  
**Organic Turpentine Essential Oil**  
*(Pinus pinaster)*

Produit: ESSENCE DE TEREBENTHINE Portugal BIO

Batch Number: 230818-3

Date fabrication: FÉVRIER 2018

| ESSAI   | RESULTAT         | LIMITE            | METHODE         |
|---|------------------|-------------------|-----------------|
| Apparence Color                                 | Liquide Incolore | Liquide Incolore- | Conforme patron |
| Odeur   | Caractéristique  | Jaunatre          | Conforme patron |
| Densité relative<br>(20°C):                     | 0.868            | Caractéristique   | Conforme patron |
| Indice de refraction<br>(20°C)                  | 1.472            | 0.856 - 0.872     | NP 57           |
| Indice de Peroxide<br>(mmol O <sub>2</sub> /kg) | 4.9              | 1.465- 1.475      | NP 58           |
| Angle de rotation<br>optique (20°C)             | -29.85°          | >20.0             | EUR.PHAR 7      |
| α-Pinene  | 71.547 %         | -28° to -40°      | EUR.PHAR 7      |
| Camphene J3-                                    | 0.942 %          | 70- 85 %          | EUR.PHAR 7      |
| Pinene  | 15.359 %         | 0.5- 1.5 %        | EUR.PHAR 7      |
| 3-Carene  | 0.042 %          | 11—20 %           | EUR.PHAR 7      |
| J3-Myrcene                                      | 0.803 %          | < 1.0%            | EUR.PHAR 7      |
| Limonene  | 2.359 %          | 0.4-1.5%          | EUR.PHAR 7      |
| Longifolene                                     | 1.576%           | 1.0- 7.0 %        | EUR.PHAR 7      |
| J3-Caryophyllene J3-                            | 2.724 %          | 0.2-2.5 %         | EUR.PHAR 7      |
| Caryophyllene oxyde                             | 0.187 %          | 0.1 -3.0 %        | EUR.PHAR 7      |
|   |                  | < 1.0             | EUR.PHAR 7      |