

Laboratoire ALTHO  
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Fiche Analytique  
ALTHO – FA – HE GAULTHERIE (WINTERGREEN)  
BIO VRAC [MP10245]



## 1 Identification de l'échantillon / Sample identification

|  |   |
|--|---|
| Désignation commerciale<br><i>Trade name</i>               | HE GAULTHERIE BIO<br><i>Organic Wintergreen Oil</i> |
| Code article / Article code                                | [MP10245]   |
| Type d'extrait<br><i>Type of Extract</i>                   | Huile Essentielle<br><i>Essential Oil</i>           |
| Nom commun<br><i>Common name</i>                           | Gaulthérie<br><i>Wintergreen</i>                    |
| Nom botanique<br><i>Botanical name</i>                     | <i>Gaultheria fragrantissima</i>                    |
| Qualité / Quality  | Biologique / Organic                                |
| Partie de la plante<br><i>Part of the plant</i>            | Feuille<br><i>Leaf</i>                              |
| Producteur / Fournisseur<br><i>Manufacturer / Supplier</i> | LABORATOIRE ALTHO                                   |
| N° de Lot / Batch number                                   | INT250617-01  |
| Informations / Information                                 | Origine Népal                                       |
| N° unique d'échantillon<br><i>Sample number</i>            | Analyse fournisseur                                 |



## 2 Analyses Physico-Chimiques / Physical and chemical properties

|                               |   |
|-------------------------------|---|
| Physical State and Appearance | : Liquid  |
| Color                         | : White   |
| Odour                         | : Characteristic intense sweet woody odor with flowery odor |
| Specific Gravity              | : 1.1645-1.1821 at 25 °C                                    |
| Refractive Index              | : 1.531-1.545 at 25 °C                                      |
| Optical Rotation              | : (-) 1.05- (-) 3.45  |
| Acid Value                    | : 1.6-5.5   |
| Ester Value                   | : 270-375   |
| Ester Value after Acetylation | : 331-451   |
| Flash Point                   | : 95 °C   |
| Solubility in water           | : Insoluble   |

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### 3 Analyse par Chromatographie Phase Gazeuse / GC-MS Analysis

#### 3.1 Résultats d'analyse / Results

| Peak Report TIC |                                |        |
|-----------------|--------------------------------|--------|
| R.Time          | Name                           | Area%  |
| 6.604           | n-Octane                       | 0.00   |
| 6.654           | Hexanal                        | 0.00   |
| 11.873          | alpha-Pinene                   | 0.02   |
| 13.388          | Benzaldehyde                   | 0.00   |
| 14.140          | Phenol                         | 0.00   |
| 14.235          | beta-Pinene                    | 0.01   |
| 16.984          | meta-Cymene                    | 0.00   |
| 17.275          | Limonene                       | 0.00   |
| 17.452          | 1,8-Cineole                    | 0.00   |
| 21.824          | Linalool                       | 0.01   |
| 22.171          | n-Nonanal                      | 0.00   |
| 27.473          | Naphthalene                    | 0.00   |
| 28.803          | Methyl salicylate              | 99.74  |
| 33.203          | Ethyl salicylate               | 0.06   |
| 33.962          | Vitispirane                    | 0.00   |
| 38.692          | Eugenol                        | 0.08   |
| 40.630          | para-mercaptop-Methyl benzoate | 0.01   |
| 40.786          | beta-Bourbonene                | 0.00   |
| 43.039          | beta-Caryophyllene             | 0.01   |
| 45.186          | trans-beta-Farnesene           | 0.00   |
| 46.857          | Germacrene D                   | 0.00   |
| 48.362          | trans-trans-alpha-Farnesene    | 0.00   |
| 68.315          | Benzyl salicylate              | 0.00   |
| 75.397          | 13-epi-Manool oxide            | 0.01   |
| 77.200          | Abietatriene                   | 0.01   |
| 77.776          | Phenyl ethyl alcohol dimer     | 0.00   |
|                 |                                | 100.00 |

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### 3.2 Chromatogramme / Chromatogram

