

ANALYSIS

Product Name : **RAVINTSARA OIL**
Aceite esencial de Ravintsara

Botanical name : *Cinnamomum camphora*

Origin : *Madagascar*

Analysis features :

Agilent GC System 7890A - Column : HP INNOWAX polaire : 60 m ´ 0,25 mm ´ 0,5 µm

Temperature program : 8 min to 95 °C – 4 °C/min till 190 °C - 29 min to 190°C

Carrier gas H2 : 30 psis/FID. Injector : split. Sample : 0.1 µl without dilution

The compounds of the essential oils are identified by retention times.

% Are calculated from the peak areas given by the GC / FID without the use of a correction factor.

Physical characteristics:

| | |
|----------------------------|-------|
| Density at 20°C | 0,904 |
| Refractive index at 20°C | 1,471 |
| Optical rotation at a 20°C | -17,1 |

GC Results

| COMPONENTS | % | Standar |
|--------------------|--------------|---------|
| a-PINENE | 5,19 | 3 - 7 |
| CAMPHENE | 0,14 | |
| b-PINENE | 4,03 | 2 - 5 |
| SABINENE | 12,49 | 10 - 15 |
| a-PHELLANDRENE | 0,06 | |
| b-MYRCENE | 1,55 | |
| a-TERPINENE | 0,69 | |
| LIMONENE | 0,60 | |
| 1,8 CINEOL | 59,65 | 50 - 65 |
| cis-b-OCIMENE | 0,08 | |
| trans-b-OCIMENE | 0,20 | |
| g-TERPINENE | 1,60 | |
| p-CYMENE | 0,19 | |
| TERPINOLENE | 0,28 | |
| trans-THUJANOL | 0,24 | |
| cis-THUJANOL | 0,13 | |
| TERPINENE-4-OL | 2,50 | 1 - 4 |
| b-CARYOPHYLLENE | 0,67 | |
| d-TERPINEOL | 0,43 | |
| a-HUMULENE + NERAL | 0,45 | |
| a-TERPINEOL | 6,47 | 4 - 8 |
| BORNEOL | 0,09 | |
| GERMACRENO-D | 0,24 | |
| b-SELINENE | 0,09 | |
| a-SELINENE | 0,06 | |
| BICYCLOGERMACRENE | 0,17 | |
| TOTAL | 98,30 | |