

# ANÁLISIS

Producto: Aceite Esencial Petitgrain  
Nombre común: **PETITGRAIN**  
Nombre botánico: *Citrus Aurantium var. amara*  
Origen: Paraguay  
Parte Destilada: Hojas  
Extracción: Destilación al vapor de agua.

## Características del análisis:

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.

## Características físicas:

|                             |       |
|-----------------------------|-------|
| Densidad a 20°C             | 0,889 |
| Índice de refracción a 20°C | 1,458 |
| Rotación Óptica a 20°C      | -4,7  |

## PERFIL CROMATOGRÁFICO TIPO - TABLA DE RESULTADOS

| COMPONENTES          | %     | Standard    |
|----------------------|-------|-------------|
| a-PINENE + a-THUYENE | 0.50  | 0.5 - 2.0   |
| b-PINENE             | 0.93  |             |
| SABINENE             | 0.21  | 0.1 - 0.5   |
| b-MYRCENE            | 2.35  | 1.3 - 2.7   |
| LIMONENE             | 0.99  |             |
| 1,8-CINEOL           | 0.13  |             |
| cis-b-OCIMENE        | 0.74  |             |
| trans-b-OCIMENE      | 2.18  | 1.0 - 3.0   |
| TERPINOLENE          | 0.42  |             |
| LINALOOL             | 22.45 | 15.0 - 30.0 |

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|                  |              |             |
|------------------|--------------|-------------|
| LINALYL ACETATE  | 53.13        | 40.0 - 60.0 |
| TERPINEN-4-OL    | 0.10         |             |
| b-CARYOPHYLLENE  | 0.76         | 0.3 - 1.5   |
| NERAL            | 0.02         |             |
| a-TERPINEOL      | 4.72         | 3.2 - 6.8   |
| TERPENYL ACETATE | 0.11         |             |
| NERYL ACETATE    | 2.03         | 1.0 - 3.0   |
| GERANYL ACETATE  | 3.74         | 2.0 - 5.0   |
| CITRONELLOL      | 0.03         |             |
| NEROL            | 1.06         | 0.5 - 2.0   |
| GERANIOL         | 2.57         | 2 - 4.5     |
| <b>TOTAL</b>     | <b>99.17</b> |             |

