

## ANALYSIS

**Product Name :** **BITTER ORANGE OIL**  
**Aceite esencial de Naranja Amarga**

**Botanical name :** *Citrus aurantium*

**Batch number :** 06/2023

**Origin :** España

### 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	0.848
Refractive index at 20°C	1.474
Optical rotation at a 20°C	96.0

**Production date:**

Enero	2023
-------	------

**Best before end:**

Junio	2026
-------	------

## GC Results

COMPONENTS	%	Standar	Pharma
a-PINENE	0.55	0.2 - 0.7	
b-PINENE	0.34	0.2 - 1.2	
b-MYRCENE	1.88	1.5 - 3.0	
LIMONENE	95.23	93 - 95	
OCTANAL	0.05	0 - 0.1	
DECANAL	0.07	0 - 0.3	
LINALOOL	0.10	0.1 - 0.4	
LINALYL ACETATE	0.58	0.5 - 1.0	
b-CARYOPHYLLENE	0.07	0 - 0.2	
GERMACRENE-D	0.04	0 - 0.2	
GERANYL ACETATE	0.09	0.1 - 0.3	
trans-NEROLIDOL	0.05	0 - 0.2	
<b>TOTAL</b>	<b>99.05</b>		