

ANALYSIS

Product Name : CAJEPUT OIL (Indonesia)
Aceite esencial de Cajeput (Indonesia)
Botanical name : Melaleuca leucadendron cajaputi
Batch number : 05/2022
Origin : Indonesia

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 whithout 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	0,911
Refractive index at 20°C	1,469
Optical rotation at a 20°C	-2,9

Production date:

Best before end:

GC Results

COMPONENTS	%	Standard
a-PINENE	3,35	
b-PINENE	1,38	
SABINENE	0,02	
b-MYRCENE	1,47	0.5 - 2.5
a-PHELLANDRENE	0,42	
LIMONENE	5,42	5 - 8
1,8-CINEOLE	56,08	50 - 65
g-TERPINENE	2,80	1 - 4
p-CYMENE	1,29	
TERPINOLENE	1,45	1 - 3
YLANGENE	0,02	
LINALOL	0,25	
TERPINENE-4-OL	0,68	
b-CARYOPHYLLENE	4,30	3 - 6
ALLO-AROMADENDRENE	0,06	
d-TERPINEOL	0,14	
g-SELINENE	2,24	1 - 3
a-TERPINEOL + g-MUUROLENE	7,89	5 - 9
GERMACRENE D	0,37	> 0.2
a-MUUROLENE + b-SELINENE	1,44	0.5 - 2
a-SELINENE	0,06	
GERANIOL	0,04	
p-CYMENE-8-OL	0,02	
a-EUDESMOL	0,10	
TOTAL	91,18	