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# ANALYSIS

**Product Name :** YLANG YLANG III  
**Aceite esencial de YLANG YLANG III**  
**Botanical name :** Cananga orodata  
**Batch number :** 08/2022  
**Origin :** Madagascar

**Analysis features :**

CPG 5890 / MS 5970 - Column : HP INNOWAX polaire : 60 m × 0,25 mm × 0,5 µm  
CPG 5890 FID - 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 H<sub>2</sub> : 30 pps/FID. Injector : split. Sample : 0.1 µl of 50% de solution with ethanol.  
Mass range: 30 to 350. The compounds of the essential oils are identified by a combined search.

**Physical characteristics:**

Density at 20°C	0,916
Refractive index at 20°C	1,504
Optical rotation at a 20°C	-42,9

**Production date:**

**Best before end:**

## GC Results

COMPONENTS	%	Standard
a-PINENE	1,11	
ACETATE DE PRENYLE	0,01	0 - 0,2
METHYL-p-CRESOL	0,39	0,1 - 1,4
a-CUBEBENE	0,20	
d-ELEMENE	0,05	
YLANGENE	0,13	
a-COPAENE	1,28	
LINALOL	5,49	0,1 - 7
b1-CUBEBENE	0,17	
e-CADINENE	0,34	
b-ELEMENE	0,47	
b-CUBEBENE	0,47	
b-CARYOPHYLLENE	18,63	5 - 20
BENZOATE DE METHYLE	0,24	0,1 - 0,9
CADINA-3,5-DIENE	0,23	
E-b-FARNESENE	0,12	
ZONARENE	0,28	
a-HUMULENE	5,78	
g-MUUROLENE	2,52	
Z,E-a-FARNESENE	2,00	
GERMACRENE D	18,29	
a-MUUROLENE	1,43	
ACETATE DE BENZYLE	0,19	0,1 - 3,0
E,E-a-FARNESENE	10,81	
ACETATE DE GERANYLE	3,72	0,5 - 5
d-CADINENE	4,01	
g-CADINENE	1,06	
CADINA-1,4-DIENE	0,28	
NEROL	0,02	
GERANIOL	0,46	
CALAMENENE	0,08	
NEROLIDOL	0,11	
EPI-CUBENOL	0,04	
CUBENOL	0,24	
LEVOJUNENOL	0,36	
ACETATE DE CINNAMYLE	0,33	
EUGENOL	0,30	
T-CADINOL	0,61	
a-MUUROLOL	0,87	
CADINOL ISOMERE	0,02	
CUBENOL ISOMERE	0,25	
a-CADINOL	1,63	
ACETATE DE FARNESYLE	1,82	
FARNESOL	1,71	
BENZOATE DE BENZYLE	5,96	3 - 9
SALICYLATE DE BENZYLE	1,35	0,5 - 5
<b>TOTAL</b>	<b>95,87</b>	