

## ANALYSIS GC

**Product Name :** CINNAMON OIL  
**Aceite esencial de Canela Hojas**  
**Botanical name :** *Cinnamomum zeilanicum / Cinnamomum verum*  
**Batch number :** LS112534  
**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 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	1.039
Refractive index at 20°C	1.529
Optical rotation at a 20°C	0.8

**Production date:**

**Best before end:**

## GC Results

COMPONENTS	%	Standar
a-PINENE + a-THUJENE	1.20	
CAMPHENE	0.34	
b-PINENE	0.33	
d-3-CARENE + b-MYRCENE	0.22	
a-PHELLANDRENE	1.20	
a-TERPINENE	0.12	
LIMONENE	0.33	<0.5
1,8-CINEOL + b-PHELLANDRENE	0.56	
p-CYMENE	0.73	
TERPINOLENE	0.11	
a-COPAENE	0.54	
LINALOOL	2.14	1-4
BENZALDEHYDE	0.19	<0.2
TERPINENE-4-OL	0.08	
b-CARYOPHYLLENE	3.26	1-5
a-HUMULENE	0.54	
a-TERPINEOL	0.25	
BENZEPROPANAL	0.06	
GERANIOL	0.03	
BENZYL ALCOHOL	0.05	
SAFROLE	0.96	
CARYOPHYLLENE OXYDE	0.44	
e-CINNAMALDEHYDE	1.28	<3
CINNAMYL ACETATE	1.10	
EUGENOL	77.59	70-80
EUGENYL ACETATE	1.30	
CYNNAMYL ALCOHOL	0.08	<1
BENZYL BENZOATE	3.43	1-5
<b>TOTAL</b>	<b>98.46</b>	