

ANALYSIS

Product Name : EUCALYPTUS CITRIODORA OIL

Aceite esencial de Eucalipto Azul

Botanical name : *Eucalyptus maculata citriodora*

Origin : China

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	0.868
Refractive index at 20°C	1.454
Optical rotation at a 20°C	0.4

GC Results

COMPONENTS	%	Standar
a-PINENE	0.43	
b-PINENE	0.67	
SABINENE	0.09	
b-MYRCENE	0.18	
LIMONENE	0.23	
1-8- CINEOLE	1.25	
cis-b-OCIMENE	0.12	
trans-b-OCIMENE	0.04	
g-TERPINENE	0.15	
p-CYMENE	0.04	
TERPINOLENE	0.09	
CITRONELAL	73.05	
LINALOOL	0.45	
NEOISOPULEGOL	3.11	
ISOPULEGOL	5.17	
TERPINEN-4-OL	0.75	
b-CARYOPHYLLENE	0.97	
ISOPULEGOL ISOMER	0.28	
CITRONELLYL ACETATE	0.88	
a-TERPINEOL	0.12	
CITRONELOL	5.48	
EUGENOL	2.55	
TOTAL	96.14	