

ANALYSIS

Product Name : Aceite esencial de NIAOULI
Niaouli oil

Botanical name : Melaleuca quinquenervia

Batch number : SEP19

Origin : Madagascar

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	0.913
Refractive index at 20°C	1.468
Optical rotation at a 20°C	-0.7

Production date:

Best before end:

GC Results

COMPONENTS	%	Standar	Pharma
a-PINENE	8.08	5 - 15	5 - 15
CAMPHENE	0.08		
b-PINENE	2.15	1 - 4	1 - 4
b-MYRCENE	1.08		
a-TERPINENE	0.47		
LIMONENE	7.54	5 - 10	5 - 10
1,8-CINEOL	53.98	45 - 65	45 - 65
g-TERPINENE	1.96		
Trans-b-OCIMENE	0.02		
p-CYMENE	0.89	0.05 - 4	0.05 - 4
TERPINOLENE	1.01		
CAMPHOR	0.22		
LINALOOL	0.14		
BENZALDEHYDE	0.18		
BORNYL ACETATE	0.01		
TERPINEN-4-OL	0.76		
b-CARYOPHYLLENE	1.94		
AROMADENDRENE	0.09		
NERAL	0.46		
a-TERPINEOL	7.21	3 - 8	3 - 8
Trans-SABINOL+TREPENIL ACETATE	1.03		
BORNEOL	1.41		
GERANIOL	0.06		
CARYOPHYLLEN OXYDE	0.13		
VIRIDIFLOROL	4.32	2.5 - 9	2.5 - 9
EUGENOL	0.08		
TOTAL	95.30		