

ANALYSIS

Product Name : GINGER OIL
Aceite esencial de Jengibre
Botanical name : Zingiber Officinalis
Batch number : 95-452
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	0,874
Refractive index at 20°C	1,488
Optical rotation at a 20°C	-32,2

Production date:

Best before end:

COMPONENTS	%	Standar
a-PINENE	2,26	1,5 - 2,5
CAMPHENE	7,28	4,5 - 10
b-PINENE	0,28	
SABINENE	0,08	
b-MYRCENE	0,86	
a-PHELLANDRENE	0,25	
LIMONENE	1,25	
b-PHELLANDRENE + 1,8-CINEOLE	6,87	
p-CYMENE	0,08	
TERPINOLENE	0,38	
6-METHYL-5-HEPTEN-2-ONE	0,64	
2-NONANONE	0,06	
TRIMETHYL ANISALDEHYDE	0,16	
g-ELEMENE	0,11	
CYCLOSATIVENE	0,49	
a-COPAENE + DECANAL	0,50	
CAMPHRE	0,06	
LINALOL	0,22	
ACETATE DE LINALYLE	0,26	
BERGAMOTENE ISOMERE	0,01	
ACETATE DE BORNYLE + ε-CADINENE	0,21	
b-ELEMENE + TERPINENE-4-OL	1,02	0,5 - 1,5
2-UNDECANONE + b-CARYOPHYLLENE	0,06	
GERMACRENE A	0,37	
ALLO-AROMADENDRENE	0,25	
E-b-FARNESENE	0,10	
NERAL + g-SELINENE	0,21	0 - 0,5
a-TERPINEOL + g-CURCUMENE	0,51	
BORNEOL	0,96	
GERMACRENE D	0,43	
a-ZINGIBERENE	32,12	29 - 40
b-BISABOLENE	6,19	2,5 - 9
a-SELINENE	1,58	
b-CURCUMENE	0,10	
GERANIAL	0,33	0 - 0,6
E,E-a-FARNESENE	4,57	
ACETATE DE GERANYLE	1,33	
b-BISABOLENE	0,20	
d-CADINENE	0,22	
a-PANASINSEN	0,36	
b-SESQUIPELLAN+a-CURCUMENE	13,29	10 - 14
GERANIOL + GERMARENE B	0,21	0,1 - 1
p-CYMENE-8-OL	0,10	
NEROLIDOL	0,47	
ELEMOL	0,42	
a-EUDESMOL	0,04	
b-EUDESMOL	0,20	
ZINGIBEROL	0,29	
TOTAL	88,24	