

ANÁLISIS

Producto: Aceite Esencial Jengibre
Nombre común: **JENGIBRE**
Nombre botánico: *Zingiber Officinalis*
Origen: China
Parte Destilada: Planta
Extracción: Destilación al vapor de agua

Características del análisis:

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 whitout dilution The compounds of the
essential oils are identified by retention times.

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% Are calculated from the peak areas given by the GC / FID without the use of a correction factor.

Características físicas:

Densidad a 20°C	0,878
Índice de refracción a 20°C	1,490
Rotación Óptica a 20°C	-33,9

PERFIL CROMATOGRÁFICO TIPO - TABLA DE RESULTADOS

COMPONENTS	%	Standard
a-PINENE	2.23	1,5 - 2,5
CAMPHENE	6.17	4,5 - 10
b-PINENE	0.31	
SABINENE	0.10	
b-MYRCENE	0.75	
a-PHELLANDRENE	0.22	
LIMONENE	1.69	
b-PHELLANDRENE + 1,8-CINEOLE	6.59	
p-CYMENE	0.11	
TERPINOLENE	0.16	
6-METHYL-5-HEPTEN-2-ONE	0.43	
2-NONANONE	0.06	
TRIMETHYL ANISALDEHYDE	0.16	
g-ELEMENE	0.10	
CYCLOSATIVENE	0.39	
a-COPAENE + DECANAL	0.56	
CAMPHE	0.08	
LINALOL	0.33	
ACETATE DE LINALYLE	0.29	
BERGAMOTENE ISOMERE	0.03	

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ACETATE DE BORNYLE + ε-CADINENE	0.16	
b-ELEMENE + TERPINENE-4-OL	0.96	0,5 - 1,5
2-UNDECANONE + b-CARYOPHYLLENE	0.08	
GERMACRENE A	0.35	
ALLO-AROMADENDRENE	0.27	
E-b-FARNESENE	0.00	
NERAL + g-SELINENE	0.13	0 - 0,5
a-TERPINEOL + g-CURCUMENE	0.49	
BORNEOL	0.87	
GERMACRENE D	0.00	
a-ZINGIBERENE	31.94	29 - 40
b-BISABOLENE	6.70	2,5 - 9
a-SELINENE	2.33	
b-CURCUMENE	0.00	
GERANIAL	0.59	0 - 0,6
E,E-a-FARNESENE	4.35	
ACETATE DE GERANYLE	1.54	
b-BISABOLENE	0.00	
d-CADINENE	0.31	
a-PANASINSEN	0.26	
b-SESQUIPHELLAN+a-CURCUMENE	13.74	10 - 14
GERANIOL + GERMARENE B	5.39	0,1 - 1
p-CYMENE-8-OL	0.25	
NEROLIDOL	0.10	
ELEMOL	0.49	
a-EUDESOL	0.35	
b-EUDESOL	0.04	
ZINGIBEROL	0.14	

TOTAL	92.59
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