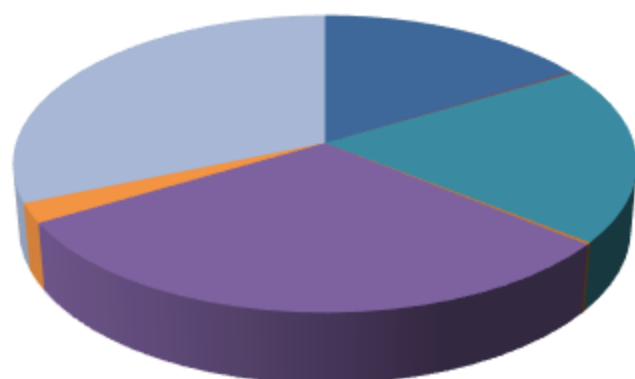
 <b>JE INTERNATIONAL</b>	<b>ENREGISTREMENT DES BULLETINS ANALYTIQUES : CHROMATOGRAPHIE ESSENTIAL OIL CHROMATOGRAPHY SHEET RECORDS</b>	<b>FORM-LAB005-B</b>	<b>Page 1 sur 6</b>
		<b>Date d'entrée en vigueur / taking effect : 10/06/2011</b>	

Date : 28/08/2013  
 Référence produit / Product reference : FLE043  
 Huile essentielle de / Essential oil of : Helichryse Italienne / Helichrysum Italian  
 Numéro de lot / Lot Number : P150713F  
 Densité à 20°C (g/cm<sup>3</sup>) / Density to 20°C (g/cm<sup>3</sup>) : 0.898  
 Indice de réfraction / Refractive index : 1.4746  
 Pouvoir rotatoire à 20°C / Optical rotation to 20°C : -2  
 Mode de culture / Culture mode : Sauvage / Wild  
 Pays / Country : France  
 Date de production / Production date : 06/2013  
 D.L.U. / Shelf life : 07/2018  
 Mode d'extraction / Extraction mode : Distillation à la vapeur / Steam distillation  
 % Bio / % Organic : 100% Bio / 100% Organic  
 Nom Latin / Latin Name : Helichrysum italicum  
 Parties utilisées / Used Parts : Sommités Fleuries / Flowering Top



- Hydocarbures monoterpéniques
- alcools monoterpéniques
- cétones monoterpéniques
- aldéhyde monoterpéniques
- hydrocarbures sesquiterpéniques
- alcools sesquiterpéniques



Molécule	%
METHYL HEPTENE ISOMERE	0.060
ALPHA-PINENE	14.130
ALPHA-FENCHENE	0.310
CAMPHENE	0.16
4-METHYL-3-HEXANONE	0.080
BETA-PINENE	0.290
ALPHA-TERPINENE	0.12
<b>LIMONENE *</b>	2.02
1,8-CINEOLE + BETA-PHELLANDRENE	0.190
GAMMA-TERPINENE	0.250
TRANS-BETA-OCIMENE	0.05
PARA-CYMENE	0.09
2-METHYLBUTYRATE DE 2-METHYLBUTYLE	0.06
TERPINOLENE	0.12
ANGELATE D'ISOBUTYLE	0.150
2-NONANONE	0.060
ANGELATE D'ISOAMYLE	0.540
NONANAL	0.060
ANGELATE D'ALKYLE	0.060
ALCOOL TERPENIQUE	0.050
YLANGENE	0.180

<b>Molécule</b>	<b>%</b>
2-DECANONE + PENTADECANE	0.230
ALPHA-COPAENE	1.210
DECANAL	0.050
ISOITALICENE	0.85
ALPHA-GURJUNENE	0.060
LINALOL + ANGELATE D'HEXYLE	0.600
italicene	3.090
CEDRENE ISOMERE	0.120
ALPHA-CIS-BERGAMOTENE	1.020
EPSILONE-CADINENE	0.060
ALPHA-TRANS-BERGAMOTENE	0.890
3,5-DIMETHYLOCTANE-4,6-DIONE Mw = 170	0.540
TERPINENE-4-OL	0.080
BETA-CARYOPHYLLENE	3.520
6,9-GUAIADIENE	0.140
GURJUNENE ISOMERE	0.070
ALLO-AROMADENDRENE	0.130
TRANS-PINOCARVEOL	0.050
(E)-BETA-FARNESENE + SESQUITERPENE	0.200
ZONARENE	0.110
SESQUITERPENE	0.070



Molécule	%
ALPHA-HUMULENE	0.320
GAMMA-SELINENE	1.340
CURCUMENE ISOMERE	0.340
(Z)-BETA-FARNESENE	0.22
GAMMA-CURCUMENE + GAMMA-MUUROLENE	12.650
ALPHA-TERPINEOL	0.600
ACETATE DE TERPENYLE	0.220
ANGELATE D'ALKYLE + BORNEOL	0.110
SESQUITERPENE	0.060
GERMACRENE D	0.190
ACETATE DE NERYLE	28.8
BETA-SELINENE + ALPHA-MUUROLENE	4.72
ALPHA-SELINENE	2.650
BETA-CURCUMENE	0.520
ACETATE DE GERANYLE	0.280
FARNESENE ISOMERE	0.09
DELTA-CADINENE	0.660
GAMMA-CADINENE	0.24
ALPHA-BISABOLENE	0.200
ALPHA-CURCUMENE	1.980
PROPIONATE DE NERYLE	0.760

<b>Molécule</b>	<b>%</b>
CADINA-1,4-DIENE	0.100
nerol	0.790
ALPHA-AMORPHENE	0.050
CALAMENENE	0.060
COMPOSE Mw=220	0.060
ISOBUTYRATE DE NERYLE	0.110
COMPOSE Mw=220 + ESTER ALIPHATIQUE	0.170
ITALIDIONE I Mw=210	3.070
ITALIDIONE II Mw=224	0.820
CALACORENE	0.090
ITALIDIONE ISOMERE	0.120
ITALIDIONE III Mw=238	0.790
VALERATE DE NERYLE	0.240
OXYDE DE CARYOPHYLLENE	0.050
COMPOSE OXYGENE Mw=236	0.050
DIONE ALIPHATIQUE	0.050
NEROLIDOL	0.080
CAPROATE DE NERYLE	0.120
GUAIOL	0.130
ESTER PHENYLETHYLIQUE + COMPOSE Mw=218	0.130



<b>Molécule</b>	<b>%</b>
EUDESMOL ISOMERE + TRIMETHYL PENTADECANONE	0.070
EUDESMA-5-EN-11-ALPHA-OL	0.300
SESQUITERPENOL	0.12
SESQUITERPENOL	0.180
COMPOSE METHOXYAROMATIQUE	0.060
EUDESMOL ISOMERE	0.09
GAMMA-EUDESMOL	0.120
AGAROSPIROL	0.270
SESQUITERPENOL	0.050
CARVACROL	0.050
ALPHA-BISABOLOL	0.070
BULNESOL	0.050
ALPHA-EUDESMOL	0.060
BETA-EUDESMOL	0.100
EUDESMA-7-EN-4-OL	0.190
DIONE ALIPHATIQUE	0.070
DIONE ALIPHATIQUE	0.050
<b>Total</b>	<b>98.050</b>

\* = Substance(s) allergène(s) / allergen(s)

\*\* = Substance(s) classée(s) CMR / Substance(s) classified as CMR

