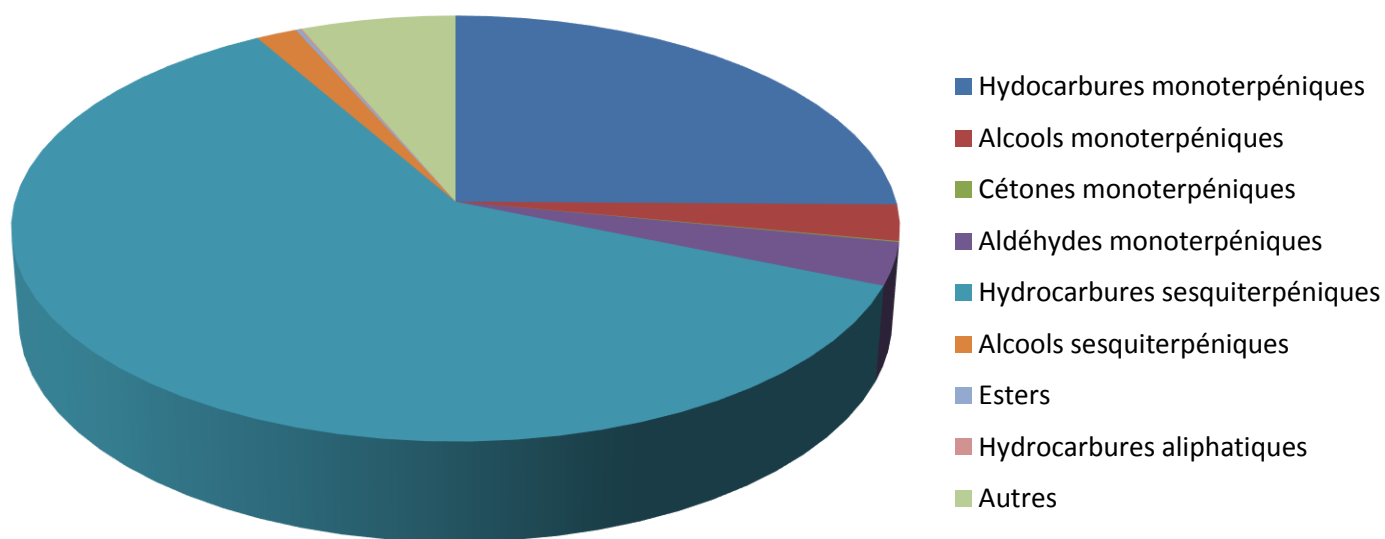
 JE INTERNATIONAL	ENREGISTREMENT DES BULLETINS ANALYTIQUES : CHROMATOGRAPHIE ESSENTIAL OIL CHROMATOGRAPHY SHEET RECORDS	FORM-LAB005-B	Page 1 sur 9
		Date d'entrée en vigueur / taking effect : 10/06/2011	

Date	:	28/07/2015
Référence produit / Product reference	:	FLE115
Huile essentielle de / Essential oil of	:	Gingembre / Ginger
Numéro de lot / Lot Number	:	P260115MG
Densité à 20°C (g/cm ³) / Density to 20°C (g/cm ³)	:	0.883
Indice de réfraction / Refractive index	:	1.4880
Pouvoir rotatoire à 20°C / Optical rotation to 20°C	:	-23.5
Mode de culture / Culture mode	:	Cultivé / Cultivated
Pays / Country	:	Madagascar
Date de production / Production date	:	01/2015
D.L.U. / Shelf life	:	01/2020
Mode d'extraction / Extraction mode	:	Distillation à la vapeur / Steam distillation
% Bio / % Organic	:	100% Bio / 100% Organic
Nom Latin / Latin Name	:	Zingiber Officinale
Parties utilisées / Used Parts	:	Rhizome / Rhizome



Molécule	%
TRICYCLEN	0.17
ALPHA-PINENE	3.12
TOLUENE **	0.01
ALPHA-FENCHENE	0.01
CAMPHENE	8.87
HEXANAL	0.03
BETA-PINENE	0.35
SABINENE	0.06
MENTHATRIENE ISOMERE	0.02
DELTA-3-CARENE	0.04
MYRCENE	1.19
ALPHA-PHELLANDRENE	0.36
PSI-LIMONENE *	0.03
ALPHA-TERPINENE	0.07
LIMONENE *	1.68
BETA-PHELLANDRENE	5.80
1,8-CINEOLE (EUCALYPTOL)	3.05
CIS-BETA-OCIMENE	0.01
GAMMA-TERPINENE	0.05
BORNYL METHYL ETHER	0.02
PARA-CYMENE	0.07

Molécule	%
TERPINOLENE	0.26
OCTANAL	0.03
4,8-DIMETHYL-1,3,7-NONATRIENE	0.05
2-HEPTANOL	0.09
2-HEXYL FURANE	0.01
6-METHYL-5-HEPTENE-2-ONE	1.09
1-HEXANOL	0.01
2-NONANONE	0.08
TRIMETHYL ANISALDEHYDE	0.05
PERILLENE	0.02
2-OCTENAL	0.03
ALPHA-PARA-DIMETHYLSTYRENE	0.02
6-METHYL-5-HEPTEN-2-OL	0.05
ALPHA-CUBEBENE	0.03
DELTA-ELEMENE	0.10
CITRONELLAL	0.09
CYCLOSATIVENE	0.24
ALPHA-COPAENE	0.40
2-NONANOL	0.09
CAMPBRE	0.07
ALPHA-CIS-BERGAMOTENE	0.02

Molécule	%
LINALOL *	0.33
TRANS-THUYANOL	0.01
TRANS-2-PINANOL	0.01
1-OCTANOL	0.03
ZINGIBERENE ISOMERE	0.19
TRANS-PARA-MENTH-2-EN-1-OL	0.02
ISOPULEGOL	0.02
ALPHA-SANTALENE	0.02
FENCHOL + EPSILON-CADINENE	0.04
ACETATE DE BORNYLE	0.08
ALPHA-TRANS-BERGAMOTENE	0.10
BETA-ELEMENE	0.60
HYDRATE DE CAMPHENE	0.02
2-UNDECANONE	0.22
BETA-CUBEBENE	0.08
BETA-CARYOPHYLLENE	0.04
TERPINENE-4-OL	0.22
SESQUITERPENE	0.06
CIS-PARA-MENTH-2-EN-1-OL	0.01
MYRTENAL	0.03
CADINA-3,5-DIENE	0.04

Molécule	%
GERMACRENE B	0.12
CADINADIENE ISOMERE	0.09
FARNESENE ISOMERE	0.03
ALLO-AROMADENDRENE	0.23
ACETATE DE CITRONELLYLE	0.06
FARNESENE ISOMERE	0.20
(E)-BETA-FARNESENE	0.30
SESQUITERPENE	0.08
ALPHA-HUMULENE	0.12
SESQUITERPENE	0.05
GAMMA-SELINENE	0.11
NERAL	2.18
(Z)-BETA-FARNESENE	0.07
GAMMA-MUUROLENE	0.13
GAMMA-CURCUMENE	0.20
ALPHA-TERPINEOL	0.49
SESQUITERPENE	0.05
BORNEOL	1.00
SESQUITERPENE	0.07
ARISTOLOCHENE ISOMERE	0.24
GERMACRENE B	1.28

Molécule	%
ALPHA-ZINGIBERENE	25.89
BETA-SELINENE	1.18
BETA-BISABOLENE	5.04
ALPHA-SELINENE	4.11
GERANIAL	1.01
BETA-CURCUMENE	0.10
(E,E)-ALPHA-FARNESENE	4.53
4,5-MUUROLADIENE + ACETATE DE GERANYLE	0.21
CITRONELLOL *	0.13
FARNESENE ISOMERE	0.53
DELTA-CADINENE	0.31
GAMMA-CADINENE	0.07
7-EPI-SELINENE ISOMERE	0.25
BETA-SESQUIPHELLANDRENE	9.74
ALPHA-CURCUMENE	3.88
MYRTENOL	0.02
CADINA-1,4-DIENE	0.04
NEROL	0.12
ESTER ALIPHATIQUE	0.03
TRANS-CARVEOL + COMPOSE AROMATIQUE	0.07
GERANIOL *	0.32

Molécule	%
CALAMENENE + GERMACRENE B	0.35
PARA-CYMENE-8-OL	0.03
(E)-GERANYL ACETONE	0.02
2-DODECENAL	0.02
EPI-CUBEBOL	0.04
CUBEBOL	0.04
SESQUIPHELLANDROL ISOMERE	0.02
HYDRATE DE SESQUISABINENE	0.12
OXYDE DE CARYOPHYLLENE	0.02
SESQUITERPENOL	0.01
SESQUITERPENE OXYGENE	0.08
NEROLIDOL	0.45
SESQUITERPENOL Mw = 222	0.03
CUBENOL	0.01
SESQUITERPENOL	0.02
ELEMOL	0.30
SESQUIPHELLANDROL ISOMERE	0.25
BETA-SESQUIPHELLANDROL	0.42
10-EPI-GAMMA-EUDESMOL	0.10
SESQUITERPENOL	0.03
ZINGIBERENOL ISOMERE	0.05

Molécule	%
COMPOSE AROMATIQUE	0.07
COMPOSE Mw=218	0.16
METHYLISOEUGENOL*	0.02
GAMMA-EUDESOL	0.08
SESQUIPHELLANDROL ISOMERE	0.30
SESQUITERPENOL	0.10
ALPHA-MUUROLOL	0.06
COMPOSE AROMATIQUE	0.05
SESQUITERPENOL	0.04
EPI-ALPHA-BISABOLOL	0.04
ALPHA-BISABOLOL	0.05
ALPHA-EUDESOL	0.10
SESQUITERPENOL	0.05
BETA-EUDESOL	0.37
MAALIOL	0.05
OXYDE SESQUITERPENIQUE Mw=220	0.06
EUDESMA-7-EN-4-OL	0.25
SESQUITERPENOL	0.05
COMPOSE AROMATIQUE	0.29
GERANYL-PARA-CYMENE ISOMERE	0.03
EUGENOL *	0.03



Molécule	%
ZINGIBEROL	0.16
CETONE CYCLOALKYLE	0.04
ACIDE LAURIQUE	0.01
DITERPENE Mw=272	0.02
XANTHORRHIZOL Mw=218	0.02
ZINGERONE	0.10
ACIDE PALMITIQUE	0.04
Total	99.74

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

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

