

Laboratoire ALTHO  
Lieu-dit En Capin  
32120 MONFORT  
05 62 05 54 35  
contact@laboratoirealtho.fr

Fiche Analytique / CoA  
ALTHO – FA – HE YLANG BIO VRAC [MP10083]



## 1 Identification de l'échantillon / Sample identification

Désignation commerciale <i>Trade name</i>	HE YLANG YLANG BIO <i>Organic Ylang-Ylang Oil</i>
Code article / Article code	[MP10083]
Type d'extrait <i>Type of Extract</i>	Huile Essentielle <i>Essential Oil</i>
Nom commun <i>Common name</i>	Ylang-Ylang <i>Ylang-Ylang</i>
Nom botanique <i>Botanical name</i>	<i>Cananga odorata</i>
Qualité / Quality	Biologique / Organic
Partie de la plante <i>Part of the plant</i>	Fleurs <i>Flowers</i>
Origine de la plante <i>Origin of the plant</i>	Madagascar
Producteur / Fournisseur <i>Manufacturer / Supplier</i>	LABORATOIRE ALTHO
N° de Lot / Batch number	000935-1
Informations / Information	-



## 2 Analyse par Chromatographie Phase Gazeuse / GC-MS Analysis

	Result	Norm	Conformity
Aspect	Liquid	Liquid	Conform
Color	Very clear yellow	Pale yellow to dark yellow	Conform
Odor	flowery, sweet, jasmine-scented, spicy, woody	flowery, sweet, jasmine-scented, spicy, woody	Conform
Relative density (d20/20)	0.928	[0.917 ; 0.935]	Conform
Refractive index @ 20°C	1.5028	[1.499 ; 1.512]	Conform
Optical rotation (°) at 20°C	-38.64	[-50 ; -30]	Conform
Peroxide value			N/A
Part of the plant	fresh flowers	fresh flowers	Conform

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Colonne apolaire : Elite-1 60m, Ø 0,25mm, 0.25µm df

Pic #	Component Name	Tr [min]	Area [%]
1		3.77	0.02
2		8.78	0.01
3	prenyl acetate	10.06	0.08
4	pinene<alpha>+?	11.20	0.42
5	pinene <beta>	12.82	0.10
6	myrcene	13.31	0.10
7	hexenyl acetate <(3Z)>	13.50	0.03
8	hexyl acetate	13.85	0.03
9	cresol methyl ether<para>	14.04	2.16
10	benzyl alcohol	14.29	0.09
11	cineole <1,8>	14.94	0.11
12		15.00	0.07
13	cresol <p>	16.41	0.05
14	methyl benzoate	17.15	1.20
15	linalool	17.90	5.86
16	benzyl acetate	20.12	1.42
17	ethyl benzoate	20.63	0.04
18	methyl salicylate	21.74	0.04
19	terpineol <alpha>	21.89	0.10
20	methylchavicol	22.04	0.11
21		23.63	0.04
22		24.34	0.03
23	geraniol	24.76	1.31
24		24.99	0.04
25	geranal	25.13	0.07
26		25.46	0.06
27	anethole <(E)>	25.91	0.03
28	eugenol	28.91	0.53
29		29.08	0.03
30	cubebene <alpha>	29.72	0.16
31	geranyl acetate	30.36	7.79
32	ylangene <alpha>	30.68	0.10
33	copaene <alpha>	30.88	1.00
34	cubebene<b>+elemene<b>	31.40	0.52
35	cinnamyl acetate<(E)>	32.38	0.39
36	caryophyllene <beta>	32.69	15.57
37	copaene <beta>	33.00	0.31
38		33.78	0.17
39	humulene<a>+farnesene<(E)-b>	33.99	3.95
40	muurola-4(14),5-diene<cis>	34.27	0.27
41		34.35	0.07
42		34.47	0.20
43	prenyl benzoate	34.75	0.21
44	muurolene <gamma>	34.88	1.71
45	germacrene D	35.10	18.42
46	muurola-4(14),5-diene<trans>	35.42	0.24
47	amorphene <gamma>	35.50	0.56
48	bicyclogermacrene+selinene<a>	35.65	0.53
49	muurolene <alpha>	35.76	1.00
50	farnesene<(E,E)-alpha+<(Z,E)-a	35.98	10.38
51	cadinene <gamma>	36.28	0.93

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Pic #	Component Name	Tr [min]	Area [%]
52	calamenene <trans>	36.41	0.11
53	cadinene <delta>	36.64	3.49
54	zonarene	36.72	0.11
55	cadina-1,4-diene <trans>	36.99	0.19
56	cadinene <alpha>	37.21	0.25
57	elemol	37.34	0.07
58	nerolidol <(E)>	37.91	0.08
59		38.35	0.04
60	caryophyllene oxide	38.69	0.07
61		38.85	0.06
62		39.04	0.05
63		39.31	0.03
64		40.00	0.07
65		40.17	0.22
66	cubenol <1-epi>	40.46	0.21
67		40.56	0.13
68	muurolol<epi-a>+cadinol<epi-a>	40.89	1.21
69	muurolol <alpha>	40.99	0.26
70		41.05	0.16
71		41.26	0.18
72	cadinol <alpha>	41.33	1.59
73		41.81	0.02
74		42.03	0.12
75	farnesol <(2E,6E)>	43.71	1.77
76		44.21	0.04
77	benzyl benzoate	44.58	7.27
78	farnesyl acetate <(2E,6E)>	47.78	1.64
79	benzyl salicylate	48.20	1.72
80	geranyl benzoate	51.58	0.17
			100.00

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