Laboratoire ALTHO
Lieu-dit En Capin
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Fiche Analytique / CoA

ALTHO – FA – HE PETIT GRAIN BIO VRAC-00830-2 [MP10067]

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1 Identification de l'échantillon / *Sample identification*

Désignation commerciale *Trade name*	HE PETIT GRAIN BIO *Organic Petitgrain Oil*
Code article / *Article code*	[MP10067]
Type d'extrait *Type of Extract*	Huile Essentielle *Essential Oil*
Nom commun *Common name*	Petit Grain Bigaradier *Petitgrain Bigaradier*
Nom botanique *Botanical name*	*Citrus aurantium*
Qualité / *Quality*	Biologique / *Organic*
Partie de la plante *Part of the plant*	Feuilles et ramilles *Leaves and branches*
Origine de la plante *Origin of the plant*	Paraguay
Producteur / Fournisseur *Manufacturer / Supplier*	LABORATOIRE ALTHO
N° de Lot / *Batch number*	00830-2
N° unique d'échantillon *Sample number*	Analyse fournisseur



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

2.1 Résultats d'analyse / *Results*

	Result	Norm	Conformity
Aspect	Clear and mobile liquid	Clear and mobile liquid	Conform
Color	Clear yellow	Almost colorless to pale yellow	Conform
Odor	Characteristic	Characteristic	Conform
Relative density (d20/20)	0.889	[0.882 ; 0.893]	Conform
Refractive index @ 20°C	1.4584	[1.455 ; 1.472]	Conform
Optical rotation (°) at 20°C	-4.06	[-6 ; +1]	Conform
Peroxide value			N/A
Part of the plant	leaves, twigs	leaves, twigs	Conform

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Pic #	Component Name	Tr [min]	Area [%]
1		3.78	0.01
2		7.92	0.02
3		11.14	0.20
4	pinene <alpha>	11.19	0.12
5	6-methyl-5-hepten-2-one	12.49	0.04
6	sabinene	12.61	0.21
7	pinene <beta>	12.81	1.00
8	myrcene	13.30	2.11
9	phellandrene <alpha>	13.91	0.03
10	carene <delta-3>	14.26	0.63
11	terpinene <alpha>	14.44	0.04
12	cineole <1,8>	14.93	0.17
13	limonene	14.99	1.01
14	ocimene <(Z)-beta>	15.25	0.76
15	ocimene <(E)-beta>	15.75	2.32
16	terpinene <gamma>	16.25	0.05
17	linalool oxide <cis>	16.63	0.03
18	terpinolene	17.61	0.45
19	linalool	17.97	23.43
20		20.06	0.07
21		21.18	0.11
22	terpinen-4-ol	21.38	0.09
23	terpineol <alpha>	21.92	5.25
24	nerol	23.65	1.11
25	neral	23.85	0.08
26	geraniol	24.90	2.68
27	linalyl acetate	25.16	51.02
28	geranial	25.25	0.11
29		28.63	0.04
30	terpinyl acetate<alpha>	29.05	0.08
31	neryl acetate	29.54	2.11
32	geranyl acetate	30.33	3.73
33	caryophyllene <beta>	32.60	0.60
34	humulene <alpha>	33.94	0.05
35	bicyclogermacrene	35.63	0.19
36		37.90	0.04
			100.00

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