

GC/MS BATCH NUMBER: C80100

ESSENTIAL OIL: GERMAN CHAMOMILE
BOTANICAL NAME: MATRICARIA CHAMOMILLA
ORIGIN: EGYPT

KEY CONSTITUENTS IN THIS BATCH OF GERMAN CHAMOMILE OIL	%
α -BISABOLOL OXIDE A	41.9
(Z)- β -FARNESENE	19.4
CIS-EN-YN-DICYCLOETHER	5.7
BISABOLONE OXIDE A	5.6
α -BISABOLOL OXIDE B	5.3
PENTACOSANE	2.3
CHAMAZULENE	2.7
GERMACRENE D	1.6

Comments from Robert Tisserand: There are several chemotypes of blue chamomile oil. This is typical of the alpha-bisabolol oxide A / Farnesene chemotype from Egypt. The color is deep blue, and the odor is characteristically honeyed and herbaceous.

PLANT THERAPY
126 Locust St.S
Twin Falls

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83301 ID
USA

Document qualité n°: ENR-047 du 17/11/2010
Échantillon reçu au laboratoire le 14/11/2014
Date de commande / Vos références : 06/11/2014

BULLETIN D'ANALYSE N°: 19043

Huile essentielle de German (Blue) Chamomille Lot n° : 03-400

Nom commun : German (Blue) Chamomille	Type de culture :
Nom latin : Matricaria chamomilla	Partie de plante : Flowers
Origine géographique : Egypte	Lot n : 03-400

Analyse chromatographique par GC/FID

Tr	Composés	% Fid
5.35	Alpha-Pinène	0.025
6.16	Sabinène	0.033
6.82	Alpha-Phellandrène	0.073
7.16	Para-Cymène	0.090
7.23	Limonène	0.038
7.37	(Z)-Bétab-Ocimène	0.089
7.55	(E)-Bétab-Ocimène	0.387
7.75	Gamma-Terpinène	0.163
7.79	Artémisia Cétone	0.438
8.17	Terpinolène	0.097
12.65	Bétab-Elémène	0.208
13.04	Bétab-Caryophyllène	0.107
13.42	(Z)-Bétab-Farnésène	19.366
13.47	Alpha-Humulène	0.209
13.81	Germacrène-D	1.632
13.98	Bicyclogermacrène	0.989

Tr	Composés	% Fid
14.04	(E,E)-Alpha-Farnésène	0.861
14.17	Unknow MW 186	1.138
14.23	Delta-Cadinène	0.274
14.29	Bétab-Sesquiphellandrène	0.084
14.96	Spathulénol	0.466
15.68	Epi-Alpha-Cadinol	0.610
15.81	Alpha-Bisabol-Oxyde-B	5.279
16.11	Alpha-Bisabololone-Oxyde A	5.559
16.64	Chamazulène	2.741
16.86	Alpha-Bisabol-Oxyde-A	41.901
18.19	Cis-ène-yne-Dicyclo-Ether or Spiroether(Z)	5.694
18.33	Trans-ène-yne-Dicyclo-Ether or Spiroether(E)	0.771
21.82	Tricosane	0.663
23.41	Pentacosane	2.297
	Total	92.282

Saint Beauzire le : 18/11/2014 16:06:00
Dr. Gilles FIGUEREDO
Directeur du laboratoire



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Acq. Operator : FG	Seq. Line : 12
Acq. Instrument : GC D MAT045	Location : Vial 11
Injection Date : 14-Nov-14, 18:49:30	Inj : 1
	Inj Volume : 1 µl

Acq. Method : C:\CHEM32\2\METHODS\2ACQUISITION\1HUILE.M
Last changed : 11/10/2014 4:40:52 PM by FG
Analysis Method : C:\CHEM32\2\METHODS\1CLIENT\PLANTTHERAPY\CAMOMILLE BLEUE.M
Last changed : 11/18/2014 3:43:36 PM by FG
(modified after loading)

Current Chromatogram(s)

