



CERTIFICATE OF ANALYSIS

Product Name : Sweet Basil Oil	Botanical name: <i>Ocimum basilicum</i>
Sample Name : Sweet Basil Oil	Origin: India
Company Name : Navnetri Gamika Pvt. Ltd., Gurgaon	Batch Number: NG/SB/22-23_003
Temp. : 20°C	Manufacturing/Distillation Method : Steam Distillation
Sample Test Date : 28 November 2022	Part Used: Leaves of the <i>Ocimum basilicum</i> ct. methyl chavicol
Lab Operator : Ms. Sanju Tyagi	Manufacturing Date : Novemebr 2022
	Expiry Date : November 2025
	Storage : Dark and Cool Place in Glass or Aluminum container

S.No.	Parameters	Unit	Result
1	Colour	-	Pale yellow to ambered-yellow
2	Appearance	-	Mobile liquid
3	Odour	-	Characteristic spicy, Sweet
4	Flash-point °C :	-	> 70 °C
5	Refractive Index (20°C)	-	1.5131
6	Specific Gravity (20°C)	-	0.957
7	Optical Rotation (20°C)	-	(-)0.85°
8	CAS Number	-	84775-71-3 / 8015-73-4
9	INCI Name :	-	Ocimum basilicum Oil

CHROMATOGRAPHICAL PROPERTIES

S.No.	Parameters	R.T	AREA	
			MS%	FID%
1	ALPHA-PINENE	5.638	0.08	0.08
2	BETA-PINENE	6.765	0.03	0.03
3	EUCALYPTOL	8.476	0.04	0.02
4	BETA-OCIMENE	9.082	0.12	0.01
5	LINALOOL	11.4	13.97	18.02
6	LEVOMENTHOL	14.701	0.18	0.114
7	METHYL CHAVICOL	16.544	78.79	76.07
8	BETA-CITRAL	18.083	0.35	0.35
9	ALPHA-CITRAL	19.348	0.44	0.47
10	ALFA-COPAENE	23.216	0.03	0.02
11	BETA-ELEMENE	23.731	0.08	0.04
12	CARYOPHYLLENE	24.56	0.56	0.48
13	TRANS-ALPHA-BERGAMOTENE	25.052	0.66	0.52
14	BETA-SESQUI PHELLANDRENE	25.259	0.06	0.06
15	ALPHA-HUMULENE	25.556	0.25	0.2
16	TRANS BETA-FARNESENE	25.653	0.4	0.34

17	GERMACRENE-D	26.34	0.71	0.57
18	BICYCLOGERMACRENE	26.758	0.07	0.06
19	BETA-BISABOLENE	27.078	0.09	0.07
20	DELTA-CADI NENE	27.467	0.05	0.03
21	CIS-ALPHA-BISABOLENE	27.982	2.76	1.98
22	TRANS-NEROLIDOL	28.463	0.04	0.04
23	VALENCENE	30.66	0.02	0.01
24	AGERATOCHROMENE	30.717	0.03	0.01
25	UNKNOWNNS	————	0.19	0.38

* Maximum concentration determined by the best of our knowledge based on analytical control by Gas Chromatography (DB-WAX Capillary column L 20 m, d 100 µm x 0,2 µm, Polar stationary phase, T°C oven 60°C at 248°C with 12°C / mn, T°C injector 275°C, T°C detector 275°C, Detector FID, Split injection 0,2 µl, Carrier gas Hydrogen - 0,7 ml/mn)

DISCLAIMER: This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.

28-11-2022

Navnetri Gamika Pvt. Ltd, Q-114A, N.P.V.-2, GGN-HR

For NAVNETRI GAMIKA PVT. LTD.

Authorized Signature

NG/SB/22-23

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