



CERTIFICATE OF ANALYSIS

Product Name : Frankincense Oil	Botanical name: <i>Boswellia serrata</i>
Sample Name : Frankincense Oil	Origin: India
Company Name : Navnetri Gamika Pvt. Ltd., Gurgaon	Batch Number: NG/FR/22-23_002
Temp. : 20°C	Manufacturing/Distillation Method : Steam Distillation
Sample Test Date : 19 March 2022	Part Used: Gum Resin of <i>Boswellia serrata</i>
Lab Operator : Ms. Sanju Tyagi	Manufacturing Date : March 2022
	Expiry Date : March 2025
	Storage : Dark and Cool Place in Glass or Aluminum container

S.No.	Parameters	Unit	Result
1	Colour	-	Pale yellow to yellow
2	Appearance	-	Liquid
3	Odour	-	Characteristic, Strongly diffusive
4	Flash-point °C :	-	> 100 °C
5	Refractive Index (20°C)	-	1.465
6	Specific Gravity (20°C)	-	0.850 - 0.890
7	Optical Rotation (20°C)	-	(+) 20° - (+) 38°
8	CAS Number	-	97952-72-2
9	INCI Name :	-	Boswellia serrata Oil

CHROMATOGRAPHICAL PROPERTIES

S.No.	Parameters	R.T	AREA
1	Alpha Thujene	12.02	69.615
2	Alpha-Pinene	12.19	5.67
3	Thuja-2.4(10)-diene*	12.47	0.262
4	Camphene	12.7	0.07
5	Sabinene	13.58	6.366
6	Beta-Pinene	13.74	0.355
7	Myrcene	14.08	0.739
8	Alpha-Phellandrene	14.72	0.821
9	Delta-3-Carene	14.85	3.818
10	Alpha-Terpinene	15.1	0.186
11	Ortho-Cymene	15.2	0.072
12	Para-Cymene	15.38	1.632
13	Limonene	15.56	1.865
14	Beta-Phellandrene	15.62	0.307
15	(Z)-Beta-Ocimeue	15.69	0.516
16	(E)-Beta-Ocimene	16.06	0.262

17	Gamma-Terpinene	16.51	0.435
18	Cis-Hydrate de Sabinene	16.96	0.148
19	Terpinolene	17.43	0.189
20	Para-Cymenene	17.6	0.013
21	Linalol	17.88	0.119
22	Cis-Thujone	18.16	0.027
23	Trans-Thujone	18.51	0.403
24	Trans-Sabinol	19.25	0.068
25	Para-Mentha-1,5-dien-8-ol	19.97	0.035
26	Terpinene-4-ol	20.54	0.516
27	Para-Cymen-8-ol	20.74	0.04
28	Estragol	21.08	2.032
29	Acetate de Bomyle	23.57	0.02
30	Alpha-Copaene	26.21	0.099
31	Beta-Bourbonene	26.46	0.588
32	Methyl-Eugenol	26.65	0.129
33	Alpha-Gurgunene	26.95	0.078
34	Beta-Caryophyllene	27.41	0.016
35	Alpha-Trans-Bergamoten + Beta-Copaene	27.65	0.118
36	Allo-Aromadendrene	28.45	0.015
37	Gamma-Murolene	28.75	0.03
38	Germacrene D	28.98	0.217
39	Gamma-Humulene	29.04	0.155
40	Delta-Cadinene	29.81	0.022
41	Kessane	30.22	0.041
42	Elemicine	30.34	0.02
43	Incensole	43.28	0.084

* 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.

19-03-2022 Navnetri Gamika Pvt. Ltd, Q-114A, N.P.V.-2, GGN-HR

For NAVNETRI GAMIKA PVT. LTD.

 Authorized Signature

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