



CERTIFICATE OF ANALYSIS

Product Name : Cedarwood Oil	Botanical name: <i>Cedrus deodara</i>
Sample Name : Cedarwood Oil	Origin: India
Company Name : Navnetri Gamika Pvt. Ltd., Gurgaon	Batch Number: NG/CE/22-23_003
Temp. : 20°C	Manufacturing/Distillation Method : Steam Distillation
Date : 20 February 2022	Part Used: Heart wood and Roots of <i>Cedrus deodara</i>
Lab Operator : Ms. Sanju Tyagi	Manufacturing Date : February 2022
	Expiry Date : February 2027
	Storage : Dark and Cool Place in Glass or Aluminum container

S.No.	Parameters	Unit	Result
1	Colour	-	Yellow
2	Appearance	-	Mobile Liquid
3	Odour	-	Characteristic woody
4	Flash-point °C :	-	> 109 °C
5	Relative Density (20°C)	-	0.931
6	Specific Gravity (20°C)	0.920 – 1.08	0.9338
7	Optical Rotation (20°C)	-	(+ 35°) to (+ 85°)
8	CAS Number	-	8000-27-9
9	INCI Name	-	Cedrus Deodara Wood Oil

CHROMATOGRAPHICAL PROPERTIES

S.No.	Parameters	R.T	AREA
1	ALPHA - PINENE	5.941	0.08
2	BETA-PINENE	7.143	0.04
3	4-ACETYL-1-METHYLCYCLOHEXENE	13.242	0.41
4	TRICYCLO-UNDEC-9-ENE	22.878	0.11
5	ALPHA-YLANGENE	23.576	0.03
6	INDAN-1,2-DIMETHYL	24.12	0.38
7	AROMADENDRENE	24.463	0.04
8	ISOLEDENE	24.555	0.12
9	LONGIFOLENE	24.652	0.56
10	ALPHA-FARNESENE	25.419	0.22
11	TRANS-ALPHA-BERGAMOTENE	25.596	0.12
12	CIS-GAMMA-BISABOLENE	25.796	0.71
13	ALPHA-HIMACHALENE	26.065	15.47
14	TRANS-BETA-FARNESENE	26.163	0.32
15	4, 4-DIMETHYL-3,2-METHYLDENBICYCLO HEPTANE	26.306	0.14
16	WIDDRENE	26.569	0.92

17	GAMMA-HIMACHALENE	26.855	9.53
18	1h-3a,7-METHANOAZULENE	26.912	2
19	FARESENE	27.055	0.13
20	BETA-HIMACHALENE	27.593	36.61
21	3-ACETYL-2-METHYL-4-PHENYLFURAN	27.736	0.39
22	ISOLONGIFOLENE	27.902	0.05
23	CIS-CALAMENENE	27.965	0.05
24	8,9-DEHYDRO-NEOISOLONGIFOLENE	28.039	0.44
25	6-METHOXY-1-ACETONAPHTHONE	28.108	0.45
26	1-ACETHYL-4- FLUOROMETHYLANAPHTHALENE	28.337	0.02
27	CIS-ALPHA-BISABOLENE	28.44	1.31
28	BETA-BISOBLENE	28.932	0.07
29	RULEPIDADDIENE	29.018	0.07
30	LONGIBORNEOL	29.83	0.29
31	TRICYCLO-UNDEC-9-ENE	30.546	0.4
32	NAPHTHALENE	30.654	0.05
33	BETA-CURCUMENE	31.061	2.02
34	ALPHA-BULNESENE	31.358	0.95
35	BROMO-CYCLOHEXANE	32.033	3
36	DEODARONE	32.136	1.01
37	2,6-DIMETHYL-6-NITRO-2-HEPTEN-4- ONE	32.308	3.23
38	ALPHA-ATLANTONE	33.887	11.98
39	AR-TUMERONE	35.409	0.03

* 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 2 75°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.

20-02-2022

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

For NAVNETRI GAMIKA PVT. LTD.

Authorized Signature

NG/CE/22-23

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