



CERTIFICATE OF ANALYSIS

Product Name : Sandalwood Oil	Botanical name: <i>Santalum album</i>
Sample Name : Sandalwood Oil	Origin: India
Company Name : Navnetri Gamika Pvt. Ltd., Gurgaon	Batch Number: NG/SD/21-22_002
Temp. : 20°C	Manufacturing/Distillation Method : Steam Distillation
Sample Test Date : 22 March 2022	Part Used: Heart wood of Santalum album
Lab Operator : Ms. Sanju Tyagi	Manufacturing Date : March 2022
	Expiry Date : March 2027
	Storage : Dark and Cool Place in Glass or Aluminum container

S.No.	Parameters	Unit	Result
1	Colour	-	Light to dark Yellow
2	Appearance	-	Liquid
3	Odour	-	Characteristic
4	Flash-point °C :	-	> 138 °C
5	Refractive Index (20°C)	-	1.503 - 1.509
6	Specific Gravity (20°C)	-	0.956 - 0.965
7	Optical Rotation (20°C)	-	(-) 21° to (-) 12°
8	CAS Number	-	8006-87-9
9	INCI Name :	-	Santalum album Wood Oil

CHROMATOGRAPHICAL PROPERTIES

S.No.	Parameters	R.T	AREA %
1	α-Santalene	2190.4	1.28
2	.Epi-β-Santalene	2259.6	1.33
3	β-Santalene	2291.1	1.99
4	Oxacyclotetradeca-4,11-diyne	2762.2	1.09
5	.alpha.-Santalol	2812.5	49.9
6	Lanceol, cis	2833.5	8.25
7	(Z)-epi-.beta.-Santalol	2861.8	4.14
8	.alpha.-Santalol	2870.6	0.64
9	.beta.-Santalol	2898.9	24.28
10	Oxacyclotetradeca-4,11-diyne	2927.9	0.54
11	Santalol, trans-.beta.-	2936	1.96
12	Selenofenchone	2953.1	1.4
13	Lanceol, cis	2973.4	3.2

* 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.

22-03-2022

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

For NAVNETRI GAMIKA PVT. LTD.

Authorized Signature

NG/SD/22-23

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