



INSTITUTE OF WOOD SCIENCE & TECHNOLOGY
(Indian Council of Forestry Research & Education)
(An autonomous Council of Ministry of Environment & Forests, Govt. of India)
Malleswaram, Bengaluru – 560 003
Chemistry and Bioprospecting Division



No.: 13-1/2016-17/IWST/CFP/Tech Expert/ 4243

Dated: 05.02.2019

To,
Jayarajan V V
Office of the Divisional Manager
Kerala Forest Development Corporation Ltd.
Mattupetti Road, Munnar-685612

Sir/Madam.

Sub: Test report of the sandalwood samples - reg.
Ref: No. DM/MMR/SF/18-19 Dated: 19.12.2018

Please find attached herewith the test report of the sandalwood oil sample (Batch No.5) submitted to this division for testing/examination.

Yours faithfully,

Chandrashekar B. S,
Scientist-E and Technical Manager
CBP Division

Disclaimer: The test sample(s) were not drawn by the laboratory. The results shown in the Test Report refer only to the sample(s) tested. The tested sample(s) are retained for a period of 30 days only unless otherwise stated. This report cannot be reproduced, except in full, without written approval of the laboratory.

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The oil sample received from Divisional Manager, Mattupetti Road, Munnar-685612, was analyzed using Gas Liquid Chromatography (GC) for comparison with Certified Reference Material. The details of the test report are as per IS: 329:2004 is as follows:-

TEST REPORT

Sl.No	Characteristics	Results	Specification IS 329:2004
1	Colour and appearance	Golden yellow viscous oily liquid	Nearly colourless to golden yellow, somewhat viscous oily liquid
2	Odour	Pleasant, sweet woody odour	Pleasant, sweet, woody and persistent
3	Relative density at 29°C	0.9702	0.95 to 0.987
4	Refractive Index at 29°C	1.5045	1.00 to 1.90
5.	Solubility	Soluble in FIVE volumes of 70% Ethyl Alcohol	Soluble in FIVE volumes of 70% Ethyl Alcohol
6.	Major chemical constituents by GLC analysis		
	Cis-Alpha Santalol %	52.56	41 to 55
	Cis-Beta Santalol %	25.99	16 to 24


Chandrashekar B.S.
Scientist-E and Technical Manager
CBP Division

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