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TEST REPORT

Report No. SS 2102581

Report to :

Ms. Anushka Wickramatunge
25 A, Gnanarathne Mawatha
Pepiliyana

Issued by :

Herbal Technology Section
Industrial Technology Institute

2021.03.24

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Report No. SS 2102581

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Test Report on Cinnamon Bark Oil

Report No. SS 2102581

Name & Address of the client : Ms. Anushka Wickramatunge
25 A, Gnanarathne Mawatha
Pepiliyana

Specimen : Cinnamon Bark Oil
Description -
Appearance - Oil
Colour - Yellow
Container - Screw capped glass bottle
(Approx. 20 ml)
Label - No label

Date of receipt : 2021.02.12

Test requested : Test for GC-MS analysis as per customer's letter
received on 2021.02.09.

Test method : GC-MS analysis
Gas Chromatography - Mass Spectrometry (GC-MS)

Test dates : 2021.02.19 - 2021.02.24

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... Continuation Sheet

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Results


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Peak No.	Retention time	Compounds	Percentage (% w/w)
1	2.63	α -Pinene	Tr
2	4.03	α -Phellandrene	Tr
3	4.65	β -Phellandrene	Tr
4	4.72	Eucalyptol	Tr
5	5.64	<i>p</i> -Cymene	Tr
6	10.79	Benzaldehyde	Tr
7	11.53	β -Linalool	2.4
8	12.44	β -Caryophyllene	3.0
9	14.01	Humulene	0.1
10	14.84	α -Terpineol	0.07
11	18.36	Safrole	0.1
12	18.79	<i>cis</i> -Cinnamaldehyde	0.2
13	20.61	Caryophyllene oxide	0.5
14	21.69	<i>trans</i> -Cinnamaldehyde	80.7
15	23.84	Cinnamyl acetate	3.4
16	24.13	Eugenol	6.2
17	25.79	Eugenyl acetate	0.2
18	26.29	Cinnamyl alcohol	0.2
19	31.84	Benzyl benzoate	1.6
20	36.61	Cinnamic acid	0.2

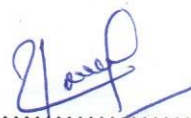
Tr = Trace (< 0.1%)

According to the GC-MS analysis the major compounds detected are shown in the above table.

Analysis was carried out by Ms. K.A.M.S. Kumarapeli, Assistant Research Technologist.


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Mr. H.D. Weeratunge
Senior Research Scientist
Herbal Technology Section

2021.03.24
/gk


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Dr. P. Ranasinghe
Authorized Signatory
B. Sc (Hons), M. Phil, PhD
Research Fellow
Herbal Technology Section
Industrial Technology Section

The report is limited specifically to the specimen/s submitted.