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Certificate of Analysis Sample Code

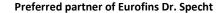
COA-5099-001-01 5099-001

Received	2023-11-30				
Concluded	2023-12-05				
Client Reference	Tea Tree Oil (B219)				
Sample Description Submitted Weight (g)	Essential oil – Tea Tree Oil 78.9				
Services Requested	C-15 Essential Oil analysis				



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The results of examination are exclusively representative of the test sample. Any publication of this report requires written permission for SciCorp Laboratories. An excerpt publication is not allowed. All information regarding the sample (except those recorded on site or at sample registration by SciCorp) have been provided by the client. This information can have an impact on the validity of the analytical results and the result assessment.









Results of Test, Examination or Analysis

C-15	Essential Oil analysis							
Cond	lucted 2023-12-01							
Conducted 2023-12-01 Composition Result								
	Total ISO 4730							
	Component	Measured *	min.	max.	Measured **	Remark		
		%	%	%	%			
1	α-Thujene	1.26						
2	α-Pinene	3.01	1.0	4.0	3.29	Conforms		
3	Sabinene	0.36	trace	3.5	0.39	Conforms		
4	β-Pinene	0.83						
5	β-Myrcene	1.02						
6	α-Phellandrene	0.68						
7	α-Terpinene	9.51	6.0	12.0	10.39	Conforms		
8	<i>p</i> -Cymene	2.83	0.5	8.0	3.09	Conforms		
9	Limonene	0.76	0.5	1.5	0.83	Conforms		
10	β-Phellandrene	1.26						
11	1,8-Cineole	2.38	trace	10.0	2.60	Conforms		
12	γ-Terpinene	24.58	14.0	28.0	26.85	Conforms		
13	Terpinolene	2.84	1.5	5.0	3.10	Conforms		
14	<i>cis</i> -β-Terpineol	0.15						
15	trans-p-Menth-2-en-1-ol	0.27						
16	cis-p-Menth-2-en-1-ol	0.20						
17	Terpinen-4-ol	40.52	35.0	48.0	44.27	Conforms		
18	α-Terpineol	3.02	2.0	5.0	3.3	Conforms		
19	trans-Piperitol	0.19						
20	trans-Ascaridol glycol	0.11						
21	Copaene	0.12						
22	α-Gurjunene	0.15						
23	Caryophyllene	0.15						
24	alpha-Panasinsanene	0.03						
25	Aromadendrene	0.36	0.2	3.0	0.39	Conforms		
26	Selina-5,11-diene	0.06						
27	α-Cubebene	0.11						
28	Humulene	0.10						
29	Alloaromadendrene	0.16						
30	β-Cadinene	0.27						
31	beta-Maaliene	0.06						
32	Ledene	0.46	0.1	3.0	0.50	Conforms		
33	Bicyclogermacrene	0.50						
34	δ-Cadinene	0.58	0.2	3.0	0.63	Conforms		
35	Zonarene	0.18						
36	Cubenene	0.19						
37	Epiglobulol	0.05						
38	Maaliol	0.02						
39	Spathulenol	0.02						
40	Globulol	0.18	trace	1.0	0.20	Conforms		
41	Viridiflorol	0.18	trace	1.0	0.19	Conforms		
42	Rosifoliol	0.08						
43	Cubenol	0.18						
44	Epicubebol	0.07						

* Normative profile of measured components (GC-MS)

** Normative profile of subset of components, characteristic of Tea Tree Essential Oil as outlined in ISO 4730, Oil of Melaleuca, terpinene-4-ol type (Tea tree oil).

Subsequent interpretation of the submitted samples character is done in reference to the typical profiles as stipulated by the ISO standard.

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Disclaimer

Test Site

This test only reports on the fractional composition of the oil tested and holds it in comparison with the appropriate ISO standard for an essential oil of the client specified botanical. No claims are made in regard to the quality of the sample submitted. 4 Shortts Retreat RD; Pietermaritzburg; South Africa

Compiled by: Mr Waldo Lexow Scientist

Authorised by: Ms Y Chonnoolal Laboratory Manager

Gernoo V

-End of Report-

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