

Client

WHOLESALE BOTANICS .COM

Source



Turmeric (*Curcuma longa*)
K-T

Sample

Turmeric (*Curcuma longa*)

Batch #:..... K-T

Type:..... Essential Oil

CAS Number:... 84775-52-0

Wholesale Botanics

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Website



Primary

23.22%

ar-Turmerone

19.81%

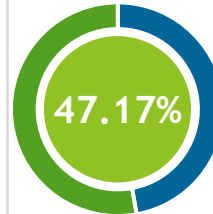
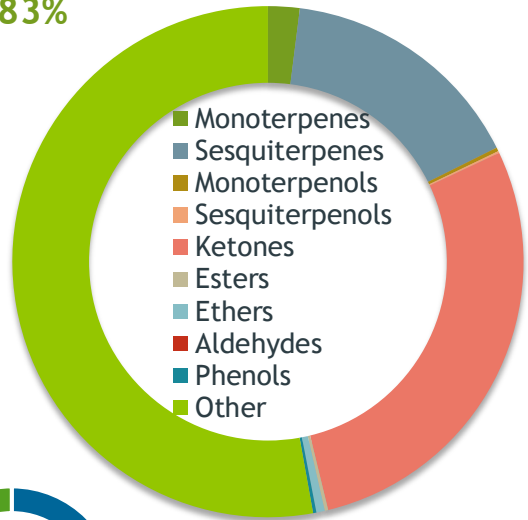
alpha-Turmerone

12.32%

beta-Turmerone

Other

52.83%



Percentage Identified

Result



Conclusion

No adulterants, diluents, or contaminants were detected via this method. This oil meets the expected profile for genuine Essential Oil of Turmeric (*Curcuma longa*)

Internal Number: | EVS-5111



Essential Validation Services

747 SW 2nd Ave IMB 12 Suite 306
Gainesville, FL 32601

317.361.5044 |
<https://essentialvalidationservices.com/>

Alan Chastain

Monoterpenes	2.00%
Sesquiterpenes	15.64%
Monoterpenols	0.24%
Sesquiterpenols	0.12%
Ketones	28.21%
Esters	0.22%
Ethers	0.53%
Aldehydes	0.00%
Phenols	0.21%
Other	52.83%

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Total Percentage		47.17%		
Number	RT	Area %	Compound Name	Chemical Family
1	8.00	0.02%	alpha-Pinene	Monoterpene
2	10.29	0.02%	Myrcene	Monoterpene
3	10.93	0.57%	alpha-Phellandrene	Monoterpene
4	11.03	0.02%	delta-3-Carene	Monoterpene
5	11.39	0.06%	alpha-Terpinene	Monoterpene
6	11.73	0.48%	para-Cymene	Monoterpene
7	11.93	0.35%	Limonene	Monoterpene
8	12.02	0.53%	1,8-Cineole	Monoterpene Ether
9	13.23	0.04%	gamma-Terpinene	Monoterpene
10	14.45	0.33%	Terpinolene	Monoterpene
11	14.66	0.11%	para-Cymenene	Monoterpene
12	15.19	0.01%	Linalool	Monoterpenol
13	18.33	0.01%	delta-Terpineol	Monoterpenol
14	18.77	0.03%	Terpinen-4-ol	Monoterpenol
15	18.95	0.02%	para-Methylacetophenone	Simple Phenolic
16	19.12	0.02%	para-Cymen-8-ol	Monoterpenol
17	19.46	0.05%	alpha-Terpineol	Monoterpenol
18	19.81	0.09%	cis-Pinocarveol	Monoterpenol
19	21.85	0.02%	Carvotanacetone	Monoterpene Ketone
20	24.28	0.03%	Carvacrol	Monoterpenol
21	24.62	0.17%	4-Vinylguaiaicol	Simple Phenolic
22	26.44	0.02%	Eugenol	Phenylpropanoid
23	28.65	0.02%	Sesquithujene	Sesquiterpene
24	29.04	0.08%	alpha-Cedrene	Sesquiterpene
25	29.20	0.46%	beta-Caryophyllene	Sesquiterpene
26	29.88	0.08%	trans-alpha-Bergamotene	Sesquiterpene
27	30.28	0.85%	UK Turmeric	
28	30.51	0.15%	UK Turmeric	
29	30.68	0.09%	alpha-Humulene	Sesquiterpene
30	30.82	0.65%	Amorpha-4,11-diene	Sesquiterpene
31	31.62	0.05%	beta-Gurjunene	Sesquiterpene
32	31.72	0.94%	gamma-Curcumene	Sesquiterpene
33	31.86	2.65%	ar-Curcumene	Sesquiterpene
34	31.98	0.28%	UK Turmeric	
35	32.47	4.85%	Zingiberene	Sesquiterpene

ESSENTIAL VALIDATION SERVICES | 747 SW 2ND AVE GAINESVILLE, FLORIDA 32601 | 317-361-5044

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Number	RT	Area %	Compound Name	Chemical Family
36	32.772	0.70%	UK Turmeric	Sesquiterpene
37	32.96	0.95%	beta-Bisabolene	Sesquiterpene
38	33.01	0.28%	11-alpha-H-Himachala-1,4-diene	Sesquiterpene
39	33.58	3.57%	beta-Sesquiphellandrene	Sesquiterpene
40	33.73	0.62%	beta-Vetispirene	Sesquiterpene
41	34.23	0.01%	trans-alpha-Bisabolene	Sesquiterpene
42	34.63	0.34%	Nootkatene	Sesquiterpene
43	35.01	0.22%	Italicene epoxide	Sesquiterpene Ester
44	35.27	0.22%	UK Turmeric	
45	36.07	0.31%	UK Turmeric	
46	36.53	0.95%	ar-Dihydroturmerone	Sesquiterpene Ketone
47	36.71	0.29%	UK Turmeric	
48	37.38	0.12%	Globulol	Sesquiterpenol
49	37.60	0.22%	UK Turmeric	
50	37.89	0.43%	UK Turmeric	
51	38.65	4.92%	UK Turmeric	
52	39.07	23.22%	ar-Turmerone	Sesquiterpene Ketone
53	39.25	19.81%	alpha-Tumerone	
54	39.72	0.70%	(Z)-gamma-Atlantone	Sesquiterpene Ketone
55	40.35	12.32%	beta-Turmerone	
56	40.71	0.66%	UK Turmeric	
57	41.46	0.33%	(6R,7R)-Bisabolone	Sesquiterpene Ketone
58	41.70	0.68%	(6R,7R)-Bisabolone	Sesquiterpene Ketone
59	42.05	0.59%	UK Turmeric	
60	42.31	0.45%	UK Turmeric	
61	42.40	0.98%	UK Turmeric	
62	42.80	2.31%	(E)-alpha-Atlantone	Sesquiterpene Ketone
63	43.34	0.78%	UK Turmeric	
64	44.03	0.25%	UK Turmeric	
65	46.39	0.47%	UK Turmeric	
66	46.94	0.21%	UK Turmeric	
67	47.78	0.22%	UK Turmeric	
68	48.14	0.37%	UK Turmeric	

ESSENTIAL VALIDATION SERVICES | 141 SW 2nd AVE GAINESVILLE, FLORIDA 32601 | 352-350-5044

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