

CERTIFICATE of ANALYSIS (COA)

COMMON NAME	Tangerine USA
LATIN NAME	<i>Citrus reticulata</i> Blanco
COUNTRY OF ORIGIN	USA
CULTIVATION METHOD	Conventional
TYPE	Essential Oil
EXTRACTION METHOD	Cold Pressed
PLANT PART	Peels
USE	Aromatherapy, Natural Perfumery.

SKU	944
LOT #	12
MANUFACTURING DATE	March 2024
BEST BY DATE	March 2026

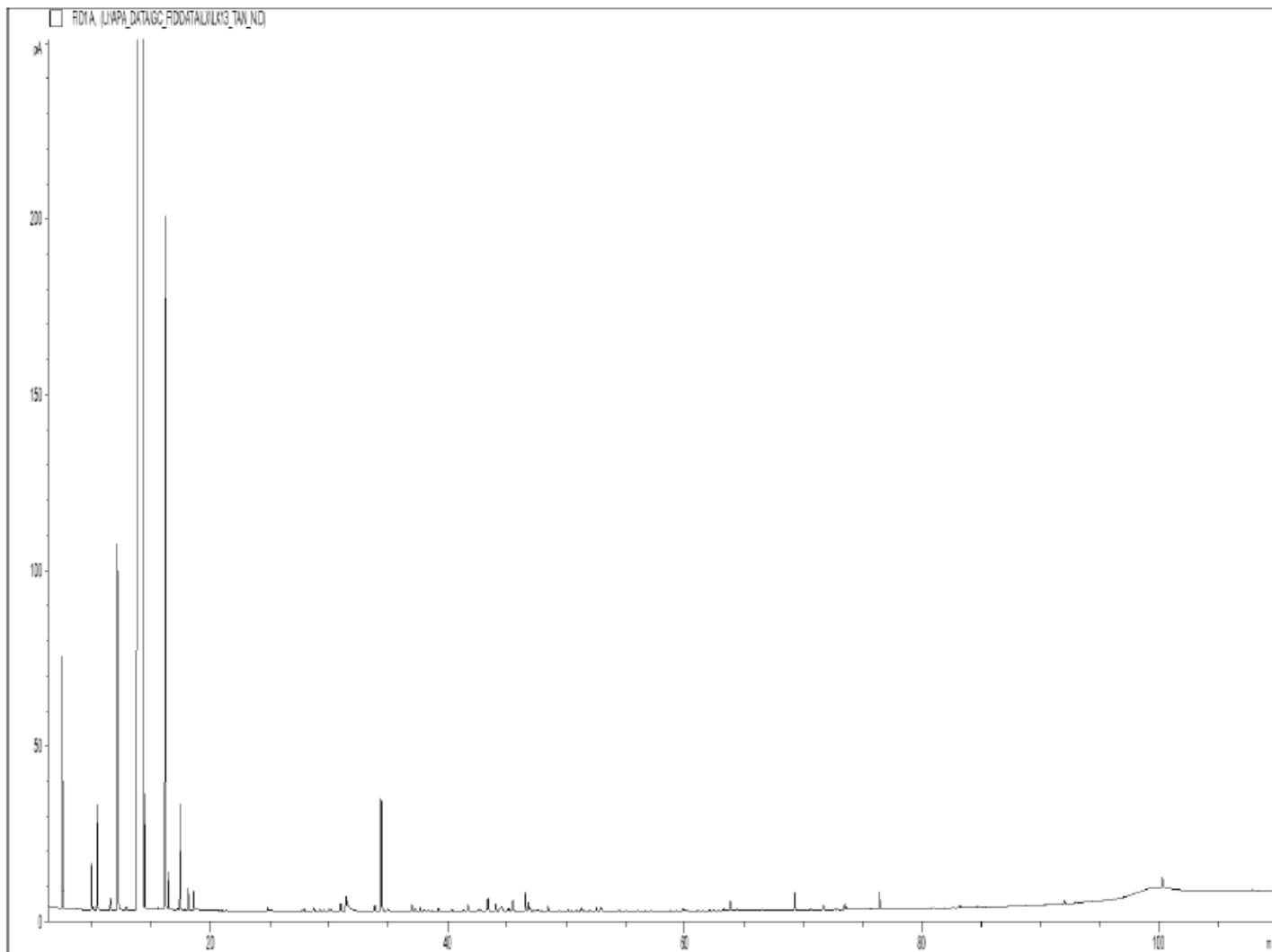
	SPECIFICATIONS (Range)	
SPECIFIC GRAVITY @20°C	0.840 - 0.855	0.850
REFRACTIVE INDEX @20°C	1.47 - 1.48	1.4753
OPTICAL ROTATION @20°C	<i>na</i>	<i>na</i>

PHYSICAL APPEARANCE	Transparent liquid	<i>Conforms</i>
COLOR	Yellow-orange to dark red	<i>Conforms</i>
ODOR	Sparkling, very fresh, sweet, tangy aroma with a bright zesty citrus note.	<i>Conforms</i>
SOLUBILITY	Soluble in alcohol and fixed oils	
SPECIAL USE INSTRUCTIONS	Dilute before use. Refrigerate to preserve freshness.	

PRIMARY CONSTITUENTS	Limonene, Gamma-terpinene.
-----------------------------	----------------------------

THIRD PARTY LAB ANALYSIS (GCMS)

CHROMATOGRAPHIC PROFILE:



- TANGERINE EO - SKU 944 LOT 12 -

Peaks	RT (min)	Compound name	%	Standard (%)	Allergens (%)
1	7.52	alpha-PINENE	0.63		0.63
2	7.59	alpha-THUYENE	0.06		
3	9.99	beta-PINENE	0.16		0.16
4	10.46	SABINENE	0.35		
5	11.56	delta3-CARENE	0.06		
6	12.13	beta-MYRCENE	1.73		
7	12.25	alpha-PHELLANDRENE	0.03		
8	12.92	alpha-TERPINENE	0.03		0.03
9	14.29	LIMONENE	91.47		91.47
10	14.44	beta-PHELLANDRENE	0.26		
11		1,8-CINEOLE			
12	16.21	gamma-TERPINENE	2.63		
13	16.46	trans-beta-OCIMENE	0.11		
14	17.43	p-CYMENE	0.34		
15	18.13	TERPINOLENE	0.07		0.07
16	18.57	OCTANAL	0.07		
17	24.84	NONANAL	0.01		
18	27.91	LIMONENE cis-1,2-EPOXIDE	0.01		
19	28.71	LIMONENE trans-1,2-EPOXIDE	0.02		
20	30.13	CITRONELLAL	0.02		
21	30.98	alpha-COPAENE	0.03		
22	31.44	DECANAL	0.18		
23	33.84	beta1-CUBEBENE	0.02		
24	34.40	LINALOOL	0.41		0.41
25	34.95	LINALYL ACETATE	0.01		0.01
26	36.98	beta-ELEMENE	0.04		
27	37.30	beta-CARYOPHYLLENE	0.01		0.01
28	37.69	TERPINENE-4-OL	0.02		
29	39.24	cis-p-MENTHA-2,8-DIEN-1-OL	0.01		
30	41.60	alpha-HUMULENE	0.02		
31	41.71	E-beta-FARNESENE	0.03		
32	41.80	trans-p-MENTHA-2,8-DIEN-1-OL	0.01		
33	42.55	NERAL	0.01		0.01
34	42.77	LAVANDULAL	0.01		
35	43.36	TERPENYL ACETATE	0.01		
36	43.42	alpha-TERPINEOL	0.06		0.06
37	44.05	GERMACRENE D	0.03		
38	44.42	DODECANAL	0.02		
39	44.56	VALENCENE	0.02		
40	45.17	NERYL ACETATE	0.01		
41	45.53	CARVONE	0.06		0.06
42	45.60	GERANIAL	0.01		0.01
43	46.57	E,E-alpha-FARNESENE	0.08		

- TANGERINE EO - SKU 944 LOT 12 -

Peaks	RT (min)	Compound name	%	Standard (%)	Allergens (%)
44	46.85	delta-CADINENE	0.04		
45	46.94	GERANYL ACETATE	0.01		0.01
46	48.48	PERILLALDEHYDE	0.02		
47	50.16	2,4-DECADIENAL	0.01		
48	51.28	trans-CARVEOL	0.02		
49	52.54	PERILLYL ACETATE	0.02		
50	52.95	cis-CARVEOL	0.02		
51	59.88	LIMONENE-10-OL	0.01		
52	63.84	METHYL, N-METHYL-ANTHRANILATE	0.05		
53	64.38	ELEMOL	0.01		
54	69.30	THYMOL	0.07		
55	71.73	beta-SINENSAL	0.02		
56	73.51	trans-LIMONENE-1,2-DIOL	0.03		
57	73.67	CAPRIC ACID	0.02		
58	76.46	alpha-SINENSAL	0.08		
59	83.23	LAURIC ACID	0.01		
60	92.07	MYRISTIC ACID	0.02		
61	100.32	PALMITIC ACID	0.06		
62	111.44	ACID COMPOUND	0.13		
63	114.53	LINOLEIC ACID	0.15		
		TOTAL	99.94		92.92