



CERTIFICATE of ANALYSIS (COA)

COMMON NAME	Star Anise
LATIN NAME	<i>Illicium verum</i>
COUNTRY OF ORIGIN	China
CULTIVATION METHOD	Conventional
TYPE	Essential Oil
EXTRACTION METHOD	Steam Distilled
PLANT PART	Fruit
USE	Aromatherapy, Natural Perfumery

SKU	939
LOT #	12
MANUFACTURING DATE	May 2023
BEST BY DATE	May 2027

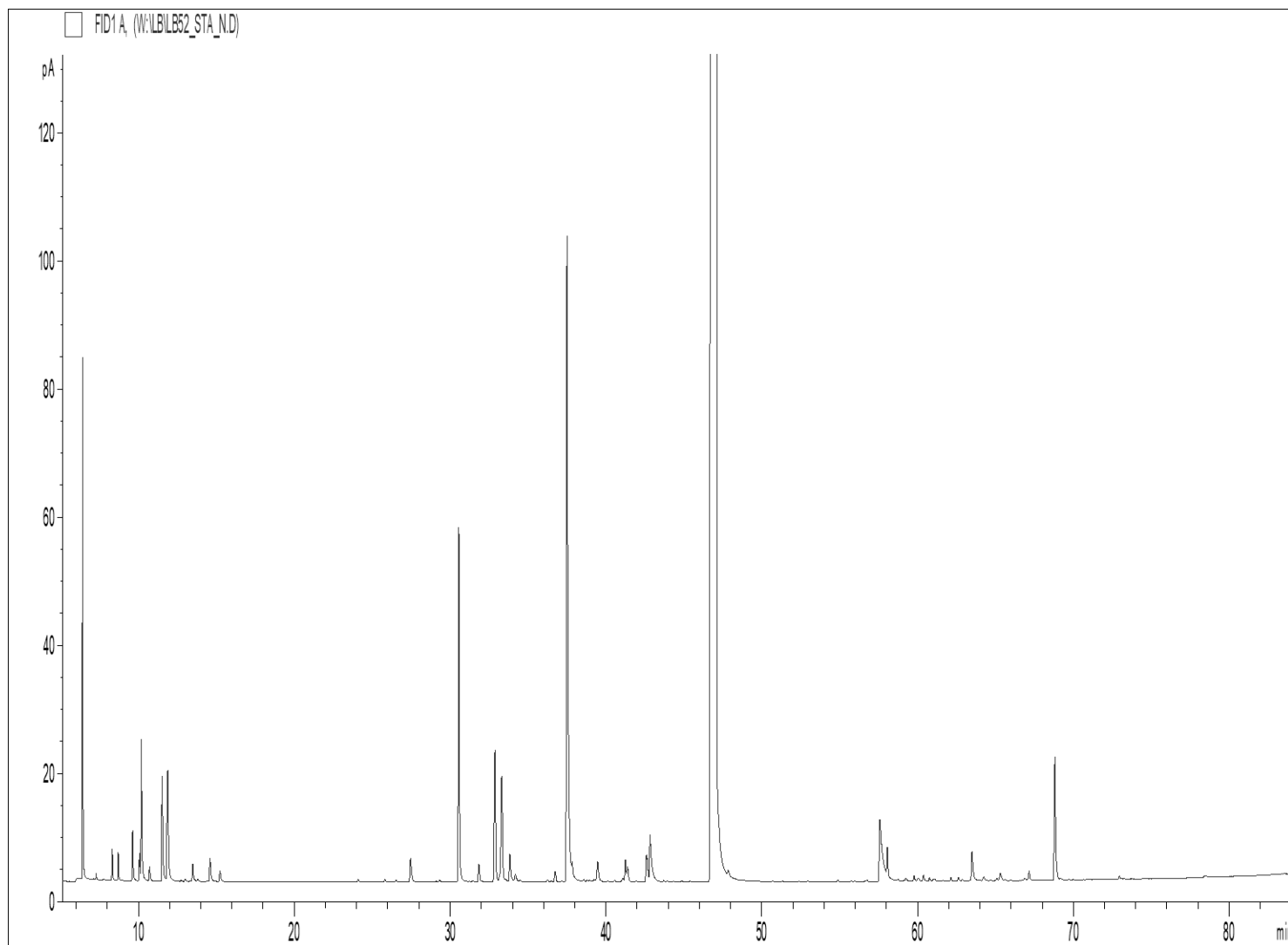
	SPECIFICATIONS (Range)	
SPECIFIC GRAVITY @25°C	0.978 - 0.988	0.98271
REFRACTIVE INDEX @20°C	1.553 - 1.560	1.55482
OPTICAL ROTATION @20°C	-1° to +1°	+0.96°

PHYSICAL APPEARANCE	Transparent liquid	<i>Conforms</i>
COLOR	Colorless to pale yellow	<i>Conforms</i>
ODOR	Fresh, sweet, spicy, anisic.	<i>Conforms</i>
SOLUBILITY	Soluble in alcohol and fixed oils	
SPECIAL USE INSTRUCTIONS	Dilute before use	

PRIMARY CONSTITUENTS	(E)-Anethole, Estragole, Linalool.
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THIRD PARTY LAB ANALYSIS (COA)

CHROMATOGRAPHIC PROFILE:



- STAR ANISE EO - SKU 939 LOT 11 -

Peaks	RT (min)	Compound name	%	Standard (%)	Allergens (%)
1	6.41	alpha-PINENE	0.88	0.10 - 1.5	0.88
2	7.28	CAMPHERE	0.01		
3	8.31	beta-PINENE	0.07		0.07
4	8.70	SABINENE	0.06		
5	9.62	delta3-CARENE	0.13		
6	10.07	beta-MYRCENE	0.06		
7	10.19	alpha-PHELLANDRENE	0.38	≤ 0.70	
8	10.71	alpha-TERPINENE	0.04		0.04
9	11.52	LIMONENE	0.32	0.20 - 6.0	0.32
10	11.87	1,8-CINEOLE	0.48		
11		beta-PHELLANDRENE			
12	12.99	cis-beta-OCIMENE	0.01		
13	13.48	gamma-TERPINENE	0.06		
14	13.79	trans-beta-OCIMENE	0.01		
15	14.59	p-CYMENE	0.09		
16	15.23	TERPINOLENE	0.04		0.04
17	24.09	LINALOOL cis-OXIDE	0.01		
18	25.82	LINALOOL trans-OXIDE	0.01		
19	26.53	TERPENIC ESTER	0.01		
20	27.46	alpha-COPAENE	0.11		
21	29.33	alpha-GURJUNENE	0.01		
22	30.56	LINALOOL	1.03	0.20 - 2.5	1.03
23	31.84	alpha-cis-BERGAMOTENE	0.07	0.04 - 0.09	
24	32.87	alpha-trans-BERGAMOTENE	0.53	0.06 - 0.60	
25	33.21	beta-ELEMENE	0.02		
26	33.31	beta-CARYOPHYLLENE	0.45	≤ 0.80	0.45
27	33.83	TERPINENE-4-OL	0.11		
28	34.18	AROMADENDRENE	0.04		
29	36.26	ALLO-AROMADENDRENE	0.01		
30	36.76	E-beta-FARNESENE	0.05		
31	37.51	ESTRAGOL	2.79	0.60 - 6.0	
32	37.84	alpha-HUMULENE	0.06		
33	39.48	alpha-TERPINEOL	0.10	≤ 0.30	0.10
34		LEDENE			
35	41.10	SESQUITERPENE	0.02		
36	41.26	beta-BISABOLENE	0.08		
37	41.40	BICYCLOGERMACRENE	0.07		
38	42.59	E,E-alpha-FARNESENE	0.03		
39	42.61	delta-CADINENE	0.08		
40	42.66	gamma-CADINENE	0.03		
41	42.84	cis-ANETHOL	0.29	0.10 - 1.0	0.29
42	47.11	trans-ANETHOL	89.77	86.0 - 93.0	89.77
43	47.86	GERANIOL	0.03		0.03

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Peaks	RT (min)	Compound name	%	Standard (%)	Allergens (%)
44	56.76	CARYOPHYLLENE OXIDE	0.01		
45	57.59	ANISALDEHYDE	0.60		
46	58.07	NEROLIDOL	0.08		
47	59.27	SESQUITERPENIC COMPOUND	0.02		
48	59.78	VIRIDIFLOROL	0.02		
49	60.38	COMPOUND Mw=148	0.03		
50	60.77	AROMATIC COMPOUND	0.01		
51	62.15	SPATHULENOL	0.01		
52	62.62	COMPOUND Mw=148	0.02		
53	63.50	ANICETONE	0.14		
54	64.26	gamma-EUDESMOL	0.02		
55	65.10	T-CADINOL	0.01		
56	65.31	METHYLISOEUGENOL	0.04		
57	67.17	alpha-CADINOL	0.04		
58	68.82	FOENICULIN	0.49	0.10 - 3.0	
59	69.19	AROMATIC COMPOUND	0.01		
60	72.95	E,E-FARNESOL	0.02		0.02
		TOTAL	100.00		93.03

This Essential Oil is a 100% pure and natural product and does not contain any artificial ingredients or adulteration of any kind to the best of our knowledge. The analysis and statements herein constitute the most complete information available to Eden Botanicals. This product is guaranteed by Eden Botanicals to be of excellent quality.

Eden Botanicals

www.edenbotanicals.com

info@edenbotanicals.com

T: 1-707-509-0041 / F: 1-707-949-2526

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