



CERTIFICATE of ANALYSIS (COA)

COMMON NAME	Cinnamon Bark - Organic
LATIN NAME	<i>Cinnamomum zeylanicum</i>
COUNTRY OF ORIGIN	Sri Lanka
CULTIVATION METHOD	Certified Organic (USDA, NOP)
TYPE	Essential Oil
EXTRACTION METHOD	Steam Distilled
PLANT PART	Bark
USE	Aromatherapy, Natural Perfumery.

SKU	210
LOT #	16
MANUFACTURING DATE	January 2020
RETEST	January 2023

	SPECIFICATIONS (Range)	
SPECIFIC GRAVITY @20°C	0.97 – 1.05	1.015
REFRACTIVE INDEX @ 20°C	1.5 – 1.6	1.5845
OPTICAL ROTATION @20°C	-2°00 to +2°00	-1.183°

PHYSICAL APPEARANCE	Transparent Liquid	<i>Conforms</i>
COLOR	Yellowish green to brownish	<i>Conforms</i>
ODOR	Powerful, warm, dry, spicy-sweet.	<i>Conforms</i>
SOLUBILITY	Soluble in alcohol and fixed oils	
SPECIAL USE INSTRUCTIONS	Dilute before use	

PRIMARY CONSTITUENTS	(E)-Cinnamal, Beta-caryophyllene, (E)-Cinnamyl acetate.
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Components	Range %	%	Components	Range %	%
(E)-CINNAMAL	70-83	71.28	STYRENE	<i>na</i>	0.03
BETA-CARYOPHYLLENE	<i>na</i>	6.00	TRICYCLENE	<i>na</i>	0.01
(E)-CINNAMYL ACETATE	<8	2.93	ALPHA-THUJENE	<i>na</i>	0.24
EUGENOL *	<15	2.51	CAMPHENE	<i>na</i>	0.57
LIMONENE *	<i>na</i>	2.18	BENZALDEHYDE	<i>na</i>	0.10
ALPHA-PINENE	<i>na</i>	1.80	BETA-PINENE	<i>na</i>	0.51
ALPHA-PHELLANDRENE	<i>na</i>	1.34	SABINENE	<i>na</i>	0.04
BENZYL BENZOATE *	<i>na</i>	1.32	MYRCENE ⁶⁵	<i>na</i>	0.13
LINALOOL *	<i>na</i>	1.32	PSEUDOLIMONENE	<i>na</i>	0.01
PARA-CYMENE	<i>na</i>	1.12	ALPHA-TERPINENE	<i>na</i>	0.14
ORTHO-CYMENE	<i>na</i>	0.04	1,8-CINEOLE	<i>na</i>	0.59
DELTA-3-CARENE	<i>na</i>	0.13	GAMMA-TERPINENE	<i>na</i>	0.03
(Z)-BETA-OCIMENE	<i>na</i>	0.02	CIS-LINALOOL OXIDE	<i>na</i>	0.01
(E)-BETA-OCIMENE	<i>na</i>	0.04	PARA-CYMENENE	<i>na</i>	0.01
TERPINOLENE	<i>na</i>	0.08	TRANS-LINALOOL OXIDE	<i>na</i>	0.01

(3E)-2,7-DIMETHYL-3,6-OCTADIEN-2-OL	<i>na</i>	0.01		PHENYLETHYL ALCOHOL	<i>na</i>	0.02
CIS-PARA-MENTH-2-EN-1-OL	<i>na</i>	0.01		TRANS-PINOCARVEOL	<i>na</i>	0.01
CAMPHENE HYDRATE	<i>na</i>	0.01		HYDROCINNAMAL	<i>na</i>	0.02
BORNEOL	<i>na</i>	0.04		BENZYL ACETATE	<i>na</i>	0.01
TERPINEN-4-OL	<i>na</i>	0.02		PARA-CYMEN-8-OL	<i>na</i>	0.01
ALPHA-TERPINEOL	<i>na</i>	0.57		CIS-PIPERITOL	<i>na</i>	0.08
CIS-ALPHA-PHELLANDRENE EPOXIDE	<i>na</i>	0.03		(Z)-CINNAMAL	<i>na</i>	0.20
HYDROCINNAMYL ALCOHOL	<i>na</i>	0.06		ORTHO-ANISALDEHYDE	<i>na</i>	0.02
PHENYLETHYL ACETATE	<i>na</i>	0.01		SAFROLE ⁶⁵	<i>na</i>	0.05
(E)-CINNAMYL ALCOHOL *	<i>na</i>	0.04		ALPHA-CUBEBENE	<i>na</i>	0.05
HYDROCINNAMYL ACETATE	<i>na</i>	0.03		ALPHA-COPAENE	<i>na</i>	0.20
BETA-CUBEBENE	<i>na</i>	0.03		BETA-ELEMENE	<i>na</i>	0.02
ALPHA-GURJUNENE	<i>na</i>	0.01		CARYOPHYLLA-4(12),8(13)-DIENE	<i>na</i>	0.02
(E)-CINNAMIC ACID	<i>na</i>	0.16		(E)-ISOEUGENOL *	<i>na</i>	0.01
ALPHA-HUMULENE	<i>na</i>	0.83		ALLO-AROMADENDRENE	<i>na</i>	0.01
AR-CURCUMENE	<i>na</i>	0.02		BICYCLOGERMACRENE	<i>na</i>	0.01
ALPHA-MUUROLENE	<i>na</i>	0.01		GAMMA-CADINENE	<i>na</i>	0.04
TRANS-CALAMENENE	<i>na</i>	0.10		DELTA-CADIENENE	<i>na</i>	0.01
EUGENYL ACETATE	<i>na</i>	0.20		TRANS-CADINA-1,4-DIENE	<i>na</i>	0.01
(E)-ORTHO-METHOXYCINNAMAL	<i>na</i>	0.02		ALPHA-CALACORENE	<i>na</i>	0.03
ISOCARYOPHYLLENE EPOXYDE B	<i>na</i>	0.02		CARYOPHYLLENYL ALCOHOL	<i>na</i>	0.02
SPATHULENOL	<i>na</i>	0.01		CARYPHYLLENE OXIDE	<i>na</i>	0.81
HUMULENE EPOXYDE II	<i>na</i>	0.02		CARYPHYLLENE OXIDE ISOMER	<i>na</i>	0.03
TETRADECANAL	<i>na</i>	0.01				
* EU Allergen ⁶⁵ = Prop 65						

COMMENTS	Odor quality is excellent.
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This Essential Oil is a 100% pure and natural product. It 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.

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