



CERTIFICATE of ANALYSIS (COA)

COMMON NAME	Ginger CO2
LATIN NAME	<i>Zingiber officinale</i>
COUNTRY OF ORIGIN	Nigeria
CULTIVATION METHOD	Conventional
TYPE	CO2 Total Extract
EXTRACTION METHOD	Supercritical Extraction
PLANT PART	Rhizome
USE	Aromatherapy, Natural Perfumery.

SKU	385
LOT #	24
MANUFACTURING DATE	July 2021
RETEST	July 2026

	SPECIFICATIONS (Range)	
SPECIFIC GRAVITY @20°C	0.950 – 0.990	0.9827
REFRACTIVE INDEX @20°C	1.5 – 1.52	1.5077
OPTICAL ROTATION @20°C	na	na

PHYSICAL APPEARANCE	Transparent liquid	Conforms
COLOR	Brown to brownish red	Conforms
ODOR	Rich, very deep, warm, spicy; more full and complex than steam distilled Ginger.	Conforms
SOLUBILITY	Soluble in alcohol and fixed oils	
SPECIAL USE INSTRUCTIONS	Dilute before use	

PRIMARY CONSTITUENTS	Alpha-Zingiberene, 6-Gingerol, Sesquiphellandrene.
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COMPONENTS	RANGE %	%	COMPONENTS	RANGE %	%
CONTENT OF ESSENTIAL OIL	30-50	35.1	SUM OF SHOGAOLS	<5	3.1
6-GINGEROL	14-20	16.7	SUM OF PUNGENT COMPOUNDS	24-35	30
ZINGERONE	< 1	0.02	CITRAL (NERAL/GERANIAL) *	na	4.6 (1.7+2.9)
8-GINGEROL	na	4.1	AR-CURCUMENE	na	6.3
6-SHOGAOL	na	2.4	ALPHA-ZINGIBERENE	20-45	34.5
10-GINGEROL	na	6.1	ALPHA-FARNESENE	na	8.5
8-SHOGAOL	na	0.45	BETA-BISABOLENE	na	6.8
10-SHOGAOL	na	0.20	SESQUIPHELLANDRENE	na	13.3
SUM OF GINGEROLS	na	26.9	METHYL-EUGENOL ⁶⁵	na	n.d (<0.01)

* EU Allergen ⁶⁵=Prop 65 n.d = not detected

COMMENTS	Odor quality is excellent.
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This CO2 Total Extract 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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Document created: 02.14.19

Document updated: 09.02.22