



**Original Swiss Aromatics**

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# Certificate of Analysis

## Ginger CO2 Extract Essential Oil

Zingiber officinale Roscoe – Rhizome, Dried | CO2 Supercritical Extraction

### General Description

<b>Common Name:</b>	Ginger CO2 Extract
<b>Latin Name:</b>	Zingiber officinale Roscoe
<b>Country of Origin:</b>	Vietnam (raw material) / Germany (product)
<b>Cultivation Method:</b>	Conventional
<b>SKU #:</b>	17
<b>Lot #:</b>	25094ORG
<b>Type:</b>	CO2 Extract (Total Extract)
<b>Extraction Method:</b>	CO2 Supercritical Extraction
<b>Plant Part:</b>	Rhizome, Dried
<b>Use:</b>	Aromatherapy / External Use Only
<b>Manufacturing Date:</b>	August 2025

### Physical & Chemical Specifications

Parameter	Typical Value
<b>Specific Gravity (20°C):</b>	0.950 – 0.990   Result: 0.9893 g/cm <sup>3</sup>
<b>Refractive Index (20°C):</b>	1.500 – 1.520   Result: 1.5078
<b>Optical Rotation:</b>	—

## Sensory Profile

Feature	Description
Physical Appearance:	Brown clear liquid
Color:	Brown
Odor:	Characteristic pungent smell
Solubility:	Soluble in alcohol and fixed oils

## Special Use Instructions

Special Use Instructions:	For external use only. Dilute properly before skin application. Keep out of reach of children. Retest date: August 2028.
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## Primary Constituents

Constituent	Typical Range (%)
$\alpha$ -Zingiberene	33.1%
Sesquiphellandrene	12.3%
$\alpha$ -Farnesene	8.5%
$\alpha$ -Curcumene	7.4%
$\beta$ -Bisabolene	6.2%
Citral (Neral + Geranial)	4.2%
6-Gingerol	17.9%
Sum of Gingerols	24.1%
Sum of Shogaols	2.6%
Sum of pungent compounds	26.8%

Disclaimer: This Essential Oil is 100% pure and natural, free from artificial ingredients or adulteration of any kind. Original Swiss Aromatics stands behind the quality of this product and has provided the most thorough and accurate information available.