

Specification **Ginger** CO₂ Extract
TC 9169-001-10140736-03

Containing only volatile Subcritical CO₂ - soluble components

Raw material:	<i>Zingiber officinalis</i> Roscoe – Roots
Production:	By subcritical fluid extraction with natural carbon dioxide, no solvent residues, no inorganic salts, no heavy metals, no reproducible microorganisms
Extract:	Yellow-brown clear liquid oil
CO ₂ -extract replacement rate for 1 kg of raw material, g	14,0 -27,0
Declaration:	INCI-Name: Zingiber Officinalis Root Extract [CO ₂], CAS-No.: 84696-15-1
Ingredients:	82 - 95 % essential oil, 30 - 45 % alpha- and beta-zingiberene, farnesene, curcumene, geranial, thujanol, neral, sesquiphellandrene, 2 - 5 % total pungent compounds including less than 0,5 % shogaols
Density, g/cm ³	0.940
Oil solubility	Full
Spirit (1:10) solubility	Full
80% Vinegar solubility	Full
Moisture content, %	none
Main substance content	unnormalized
Biologically active effect	Antioxidant, stomachic, stimulant.
Application:	In food industry as spice for soups, rice- and meat- dishes, in confectionery, liqueur industry, pharmaceutical industry, in perfumery.
Naturalness:	The product is 100 % natural and contains no additives. It is not blended, diluted or formulated. It is a pure and natural flavor and fragrance extract.
Storage	Closed pack under cool storage and exclusion of light at least 5 years

These data are given for customer's information only to the best of our knowledge but under exemption of liability especially regarding infringement of or prejudice to third party rights through the use of this product. This information is not a substitute for prior tests demonstrating the suitability of the product for the intended use. Users are responsible for ensuring the compliance with the applicable legislation. The concentrated extracts are raw materials for product formulation. Hence they are not intended for direct consumption in food and for undiluted topical application in cosmetics, perfumery and aromatherapy. Keep away from children.