

Specification **Clove Bud** Subcritical CO₂ Extract
TC 9169-001-10140736-03

Containing only volatile Subcritical CO₂ - soluble components

Raw material:	<i>Eugenia aromatica</i> L.– Flower Buds
Production:	By subcritical fluid extraction with natural carbon dioxide, no solvent residues, no inorganic salts, no heavy metals, no reproducible microorganisms
Extract:	Yellow, clear liquid with aromatic clove flavor
CO ₂ -extract replacement rate for 1 kg of raw material, g	21.0-100.0
Declaration:	INCI-Name: Eugenia Caryophyllus Flower Extract [CO ₂], CAS.-Nr. 84961-50-2
Ingredients:	80 - 90 % essential oil with 56 - 66 % eugenol, 10 - 20 % caryophyllene, 13 - 23 % eugenyl acetate.
Density, g/cm ³	1.005
Oil solubility	Full
Spirit (1:10) solubility	Full
80% Vinegar solubility	Full
Moisture content, %	8
Main substance content	unnormalized
Biologically active effect	Cloves CO ₂ -extract acts as pain relieving (anesthetic), antiseptic, rebefacient, antioxidant, digestive, repellent against insects (mosquitos), cautery. It is well soluble in skin lipids and easily penetrates into protoplasm.
Application:	Perfumery and cosmetics (perfumes, bio stimulators, tooth pastes, lotions etc.). Stomatology (mouth rinses, drops, tinctures). Household chemistry (repellents, deodorants). Food industry (taste and aroma additives for marinades, pickles, preserves, beverages). Pharmaceuticals and medicines (single dosage should not exceed 0.002 g).
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.