

Specification **Dill Seed** Subcritical CO<sub>2</sub> Extract  
TC 9169-001-10140736-03

Containing only volatile Subcritical CO<sub>2</sub> - soluble components

Raw material:	<i>Anethum graveolens</i> L. - Seeds
Production:	By subcritical fluid extraction with natural carbon dioxide, no solvent residues, no inorganic salts, no heavy metals, no reproducible microorganisms
Extract:	Yellow clear oil with characteristic aromatic caraway-like odor
CO <sub>2</sub> -extract replacement rate for 1 kg of raw material, g	30,0 - 45,0
Declaration:	INCI-Name: Anethum Graveolens Seed Extract [CO <sub>2</sub> ], CAS-No. 90028-03-8
Ingredients:	80 - 95 % essential oil with 40 - 50 % limonene, 45 - 65 % carvone, < 3 % dihydrocarvone. Dill apiole is not traceable.
Density, g/cm <sup>3</sup>	0.960
Oil solubility	Full
Spirit (1:10) solubility	Full
80% Vinegar solubility	Full
Moisture content, %	none
Main substance content	unnormalized
Biologically active effect	Antioxidant, odorant, bacteriostatic.
Application:	In cosmetic industry, in products for oral hygiene and creams, in food industry as spice, as taste and odour corrigens, in liqueur industry, in confectionery, in pharmacy as carminativum and expectorans; bacteriostatic and stabilizes preparations.
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.