

Turmeric Oil (CO₂)

Description

Our Turmeric Oil (CO₂) is obtained by supercritical extraction using natural pure carbon dioxide. The oil is 100 % pure and natural, obtained from *Curcuma longa* roots. *Curcuma longa* is part of the botanical family Zingiberaceae. All parts growing in the earth can be used as one of nature's most powerful healing treasures. The essential oil consists mainly of phellandrene, limonene, zingiberene, ar-turmerone, α-turmerone, β-turmerone and 1,8-cineole. Our Turmeric Oil (CO₂) has a high turmerone content of over 55 % with a reduced color and odor, making it attractive for usage in all kinds of cosmetic formulations.

The medicinal properties of this spice have been slowly revealing themselves over the centuries. Long known for its anti-inflammatory properties, recent research has shown that turmeric is a natural wonder, proving beneficial in the treatment of many different health conditions from cancer to Alzheimer's disease. It is an effective anti-oxidant, using natural mechanisms to counteract the detrimental, anti-aging effects of ROS (reactive oxygen species). In addition, it has a high bioavailability, gives an even skin tone and a glow to skin. It also keeps some harmful bacteria away from the body. Turmeric is useful in aromatherapy for relaxing, balancing and stimulating. Traditionally Turmeric oil has had many uses in treatment of skin problems, muscular problems like aches, reproductive system and of nervous system and related illnesses like anxiety, stress and many others.

Efficacy

- reduces inflammations
- acts as an antioxidant
- protects the skin from environmental damages
- supports an even skin tone and natural glow
- active in aromatherapy
(balance, relax, stimulate)
- helps to fight stress

Appearance

yellow to orange, clear to slight turbid liquid oil

INCI

Curcuma longa root extract

Registration

CAS-No.....8024-37-1 (US); 84775-52-0 (EC)
EC-No.....283-882-1

Raw material approved by ECOCERT GREEN-LIFE, conform to the COSMOS Standard.



Nature needs no cosmetics,
but cosmetics need nature

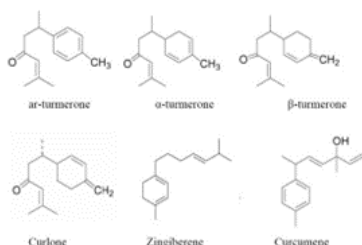
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Preservatives / Stabilizers

none

Characteristics

specific gravity (27.5°C).....0.910 - 0.980 g/ml
refractive index (27.5°C).....1.390 - 1.690
total turmerones.....>= 50 %
total yeast and mould count.....>10 CFU/g



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Application

daily cosmetic products
creams and lotions
gels and ampoules
body care
men care
aromatherapy
massage oils
hair care

Application concentration

skin care formulations.....0.02 - 0.5 %
massage oils and aromatherapy.....0.5 - 1.0 %
hair care.....0.5 - 2.0 %

Incorporation

Turmeric Oil (CO₂) can easily be incorporated in the oil phase of the formulation. It is soluble in alcohol and vegetable oils. It is insoluble in water.

Turmeric Oil (CO₂) is in general compatible with Dimethicone and Dimethiconol but may require emulsifiers/solubilizers for incorporation.

Toxicology

non hazardous in normal use concentration
pure raw material may cause an allergic skin reaction

Storage & Shelf life

Turmeric Oil (CO₂) should be stored in closed containers in a dry, cool and light protected place at 10 - 25 °C.

In closed original containers the shelf life is 36 months.