

ORGANIC CALENDULA CO2 TOTAL EXTRACT

Also Available:
Conventional Calendula CO2 Total Extract

Suitable for beauty and personal care applications.

INCI: Calendula Officinalis (Marigold) Flower Extract

Extraction Method: CO2 Supercritical Extraction

Shelf Life: 5 Years

Raw Material Origin: Germany

Background:

Calendula officinalis is a member of the Asteraceae plant family. It is most commonly referred to as the pot marigold or common marigold. Noted for their vibrant yellow-orange hue, calendula petals are edible and are prized by chefs as an alternative to saffron. Calendula extracts produced by infusion and maceration methods have been used since the 16th century to soothe a wide array of skin-related concerns.

Our premium quality Organic Calendula CO2 Total Extract is obtained by pressurized supercritical fluid extraction using carbon dioxide as the solvent. This method effectively extracts all the beneficial lipophilic constituents present in the calendula flowers. Once the extraction process is complete, the CO2 dissipates back into a gaseous state, and the extract is then carefully filtered. A maximum 0.1% Organic Rosmarinus Officinalis (Rosemary) Extract has been added to ensure stable shelf life. Most calendula extracts are produced by macerating calendula petals into a vegetable oil base such as sunflower or olive. Although traditional Calendula Extract offers significant advantages within skin care applications, Praan Naturals Organic Calendula CO2 Total is more concentrated and offers a greater composition of phytosterols and other beneficial lipophilic compounds that are naturally present in the calendula petals. Additionally the CO2 supercritical extraction process exposes the extract to far less heat during production, leading to a reduced risk of oxidation and a much more prolonged and stable shelf.

The main constituents of the extract include faradiol esters, carotenoids, sterols (sitosterol) and cuticular waxes. Organic Calendula CO2 Total Extract features a characteristic sweet, woody calendula aroma, dark brown hue and is typically semi-soft and waxy at room temperature.

Praan Naturals Organic Calendula CO2 Total Extract is 100% natural. As with all of our organic ingredients, it is certified organic by CCOF.



Properties:

- Excellent Source of Carotenoids (0.86%, Calculated as B-Carotene), Faradiol Ester (21.4%), Sterols (Calculated as Sitosterols, 1.4%) and Taraxasterol/Amyric (Calculated as Sitosterols, 9.4%)
- Stable Shelf Life
- Medium Viscosity
- Dark Reddish-Brown Hue
- Thick, Waxy Consistency at Room Temperature
- Sweet, Pleasant Hay-Like Aroma
- See *Spec Sheet for Composition Data*

Uses:

Organic Calendula CO2 Total Extract is prized for its remarkable ability to help soothe and restore irritated, dry, itchy, damaged and other problematic skin concerns. It is particularly well suited for use within formulations intended for aging skin, and it is gentle enough, when properly diluted, for use in products intended for babies and children. For scalp care, Organic Calendula CO2 Total Extract soothes dry scalp, and it can significantly assist with other challenging scalp concerns. We encourage you to research all the skincare benefits that calendula offers.

Organic Calendula CO2 Total Extract is Well Suited for the Following Personal Care Applications:

- Skin Care
- Hair Care
- Nail Care
- Cosmetics
- Aromatherapy

Recommended Usage: 0.1-0.3%

Standard Packaging: Available in aluminum canisters.



For more information on Praan Naturals premium quality Organic Calendula CO2 Total Extract and other certified organic and conventional CO2 Supercritical Extracts, visit PRAANNaturals.com or call our Customer Care department at (800) 340-0080 or (203) 702-2500.

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