

TECHNICAL DATA SHEET

Product Name: Cocoa Butter

INCI Name: Theobroma Cacao Seed Butter

CAS: 8002-31-1

Synonyms: Cacao, Cocoa, Cacao, Theobroma cacao L.

Chemical Classification: Fats and Oils

Functional Category: Skin Conditioning Agent

Raw Material Origin: Ghana

Description: Cocoa butter is an organic, natural fat derived from the seeds of the cocoa fruit (grown in tropical regions). It can be refined, yellow, almost odorless, or have a subtle scent. The butter is rich in oleic, stearic, and palmitic fatty acids, sterols, tannins, and pigment. It is soluble in warm alcohol or oil and insoluble in water. It has a relatively high melting point, around 34-37°C. Cocoa butter exhibits polymorphism, meaning it can exist in different crystal forms. The ability to crystallize in different forms is crucial for the texture and appearance of final products. Cocoa butter contains natural antioxidants, including tocopherols and polyphenols, contributing to its stability and helping prevent rancidity. HLB=6.

Benefits:

- **Moisturizing Properties:** Cocoa butter is extremely emollient and has excellent moisturizing properties. It helps maintain skin hydration by forming a protective barrier that prevents moisture loss, making it particularly useful for dry or cracked skin.

- **Rich in Antioxidants:** Cocoa butter contains antioxidants, including polyphenols and vitamin E, which help combat free radicals. These free radicals can contribute to premature aging and skin damage. Antioxidants in cocoa butter can neutralize these free radicals, promoting skin health and a more attractive appearance.

- **Healing Properties for the Skin:** Natural compounds in cocoa butter, such as stearic, oleic, and palmitic acids, contribute to its healing properties. It is often used to soothe and treat skin conditions such as dermatitis and eczema.

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• **Improves Skin Elasticity:** Cocoa butter can enhance skin elasticity, making it a popular ingredient in products aimed at reducing the appearance of stretch marks and scars.

• **Anti-Inflammatory Effects:** The anti-inflammatory properties of cocoa butter can help soothe irritated or inflamed skin. It is commonly used to alleviate conditions like rashes and insect bites.

• **Natural Aroma:** Cocoa butter has a pleasant, natural scent reminiscent of chocolate, providing a delightful fragrance to cosmetic products without the need for artificial scents.

• **Non-Comedogenic Character:** Cocoa butter is generally non-comedogenic, meaning it is unlikely to clog pores. This makes it suitable for various skin types, including acne-prone skin.

• **Easy Absorption:** Cocoa butter is easily absorbed into the skin, leaving it soft and smooth without a greasy residue. This makes it a popular choice for lotions, creams, and balms.

• **Stability:** Cocoa butter has good stability, meaning it has a relatively long shelf life without the need for additional preservatives. This makes it a valuable ingredient in natural and organic skincare products.

• **Versatility:** Cocoa butter is a versatile ingredient that can be used in various cosmetic formulations, including creams, lotions, lip balms, soaps, and other products.

Usage: Warm to melt before use, add to the fatty phase of the formulation. Typical usage level: creams 3-6%, balms 6-60%. For external use only.

Application in Cosmetic Products: High-quality emollient, skin conditioning agent that softens the skin. Used as a film-forming agent, non-gelling thickener, and moisturizer in various preparations. Acts as an emulsion stabilizer. Its density makes it an co-emulsifier or consistency modifier, often used as an ingredient in body creams and lotions. In simpler formulations, it can be used to create pseudoemulsions of the VU type, although it is not a true emulsifier. Can be used in a wide range of cosmetic products, including those for dry skin care, bath oils, and night creams. Used in sun creams and oils not only for UV protection but also for its film-forming properties, preventing drying and rinsing of pigments. It is quite water-resistant. Used in pregnancy to prevent stretch marks. Also used in the production of soaps for added firmness. Used in decorative cosmetics (lipsticks), in the production of balms, suppositories, and vaginal suppositories, and in the production of baby cosmetics.

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Original Raw Material: Cocoa Beans

Extraction Method: Cocoa butter is produced through the PPP (Pure Prime Pressed) technology.

Animal Testing: The substance has not been tested on animals.

GMO: Not GMO

Vegan: Does not contain components of animal origin.

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