Avena Lab
Farmadria d.o.o. Since 1991.

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TECHNICAL DATA SHEET

Raw Material Name: Concentrated Coconut Fruit Powder 10:1

INCI Name: Cocos Nucifera (Coconut) Fruit Extract

CAS: Not specified for this extract; confirmation in the supplier documentation is required.

Botanical Name: Cocos nucifera

Product Quality: The product is concentrated at a 10:1 ratio, indicating that ten parts of the starting plant material are used to obtain one part of the final extract. This ratio describes the degree of concentration and does not, by itself, establish the concentration of individual active compounds or cosmetic efficacy.

Raw Material Origin: China

Description: Coconut Powder is a concentrated botanical raw material obtained from the fleshy part of the mature coconut fruit (Cocos nucifera) and supplied at a 10:1 extract ratio. It is used in cosmetic formulations primarily as a skin-conditioning ingredient and may contribute to a softer, smoother and more comfortable skin feel. It is particularly suitable for products intended for dry and dehydrated skin. Depending on the manufacturing process and carrier system, the powder can also contribute to the sensory body and texture of creams, body milks, body butters, masks, scrubs and balms. Its colour, odour, solubility and dispersibility depend on the supplier's specification and should be confirmed for each batch. Compatibility and processing conditions should therefore be evaluated in the intended formulation. When used at an appropriate concentration in a well-balanced product, Coconut Powder may support skin conditioning and help improve the overall sensory properties of the finished formulation.

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Bioactive Compounds: The composition of a concentrated coconut fruit powder depends on the extraction medium, drying process, carrier and degree of standardisation. Coconut fruit naturally contains lipids, carbohydrates, proteins, amino acids, minerals and minor phenolic compounds. However, their presence and concentration in a 10:1 powdered extract cannot be assumed from the plant source alone. In particular, the content of medium-chain fatty acids, tocopherols and other lipophilic constituents may be low if the extraction process is predominantly aqueous. Any claim regarding specific bioactive compounds should be supported by the supplier's specification or analytical data. The cosmetic action of the raw material should therefore be described primarily in terms of skin conditioning and sensory enhancement unless standardised marker compounds have been documented.

Benefits:

- Helps maintain a soft and comfortable skin feel.
- Supports skin conditioning in products intended for dry and dehydrated skin.
- Contributes to a smoother and more supple skin appearance.
- May improve the sensory body and creamy character of cosmetic formulations.
- Suitable for use in creams, lotions, body butters, masks, scrubs and balms.
- Can be incorporated into formulations intended for sensitive skin after appropriate compatibility and tolerance testing.

Directions for Use: Concentrated Coconut Powder is used as a functional botanical ingredient in formulations intended to condition, soften and improve the sensory quality of the skin. It may be incorporated into the aqueous phase or pre-dispersed in a suitable medium, according to the supplier's solubility and processing instructions. Cold-process addition may be used only if complete dispersion and microbiological stability are confirmed. A typical starting use level is 0.5-2%, subject to the supplier's recommendation and testing of compatibility, stability, appearance, odour and preservation of the final formulation. Higher concentrations in rinse-off products may be evaluated experimentally. The safety and suitability of products intended for children or sensitive areas, such as the eye contour, must be established for the complete finished formulation.

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Safety of Use: The safety assessment of Cocos Nucifera (Coconut) Fruit Extract cannot automatically be transferred to every concentrated coconut powder because composition varies with the extraction and drying process. Available cosmetic safety assessments support the use of certain coconut fruit-derived ingredients under the reported conditions of use; however, this does not replace product-specific documentation. The raw material should comply with applicable microbiological and purity specifications, including limits for heavy metals, pesticide residues and residual solvents where relevant. Avoid inhalation of airborne powder and direct contact with the eyes during professional handling. The recommended use level should be established from the supplier's technical and safety documentation. Safety, stability, preservation and efficacy of the finished cosmetic product must be confirmed by appropriate testing.

Animal Testing: According to the supplier's declaration, the raw material has not been tested on animals. Compliance of the finished cosmetic product with Regulation (EC) No 1223/2009 remains the responsibility of the responsible person.

GMO: Non-GMO, according to the supplier's declaration.

Vegan: Contains no components of animal origin, according to the supplier's declaration.

Storage and Shelf Life: Store in a tightly closed original container in a cool, dry place, protected from light, heat and moisture. An indicative shelf life of 2 years applies when stored under the recommended conditions; the supplier's batch documentation takes precedence.