Import and distribution for Serbia: Farmadria DOO
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TECHNICAL DATA SHEET

Product Name: Coco Glucoside

INCI Name: Coco glucoside

CAS: 141464-42-8

Synonyms: Cocoglucoside, Coconut Alcohol Ethoxylates, Coco-Glycoside, Coco Alkyl Glucoside, C8-C16 Alkyl Glucoside, Kokostensid, Kokosglucoside, Coco Glucoside, Kokostenside

Chemical Classification: Carbohydrates

Functional Category: Surfactant

IUPAC Name: D-glucopyranose, 1-[(C8-C16) alkyl oxyl]

Benefits:

• ***Gentleness:*** Coco glucoside is known for its mildness, making it suitable for products intended for sensitive skin, including baby care products and those for individuals with sensitive skin. Its gentle cleansing properties help remove dirt and oil without stripping the skin's natural oils, maintaining a healthy moisture balance.

• ***Effective Cleaning:*** Despite its mildness, coco glucoside is effective at removing impurities, oils, and product residues, making it an excellent choice for shampoos, shower gels, and facial cleansers. It provides deep cleansing without damaging the skin or hair.

• ***Foam Formation:*** Coco glucoside has excellent foaming properties, enhancing the sensory experience during use. The foam it creates is rich and creamy, which is particularly important for products like shampoos and shower gels.

• ***Natural Origin:*** Coco glucoside is derived from renewable sources like coconut oil and glucose from corn or potatoes, making it a natural and eco-friendly cosmetic ingredient. Its biodegradability means it breaks down without harming the environment, important for sustainability and eco-conscious consumers.

• ***Compatibility with Other Ingredients:*** Coco glucoside is compatible with a wide range of ingredients used in cosmetics. It can be easily combined with other surfactants, emulsifiers, preservatives, and active ingredients, allowing the creation of diverse prod-

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ucts with complex formulations.

• ***Stability:*** Its stability across a wide pH range makes it versatile for use in different types of formulations, from acidic to basic products. Additionally, its ability to increase viscosity can contribute to a richer texture of products, enhancing their usability and feel on the skin or hair.

• ***Safety:*** Coco glucoside is generally recognized as safe for use in cosmetics. It rarely causes irritation or allergic reactions, making it a safe choice for various skin types, including sensitive and allergy-prone skin.

• ***Hydration:*** Besides cleansing, coco glucoside helps maintain skin hydration. Its hydrophilic components allow water binding, helping the skin retain moisture and stay hydrated after cleansing.

Usage: In shampoos, coco glucoside is often used for its ability to thoroughly cleanse hair and scalp while leaving natural oils intact. Typically, the concentration of coco glucoside in shampoos ranges from 10% to 15%. These concentrations provide rich foam and effective cleaning while being gentle enough not to irritate the scalp. Combining it with other surfactants can further enhance foaming and sensory experience. For shower gels, where a balance between thorough cleansing and gentle skin care is important, the concentration of coco glucoside usually ranges from 5% to 10%. Combined with moisturizing and soothing ingredients, coco glucoside helps maintain a healthy skin barrier. In facial cleansers, especially those intended for sensitive skin, coco glucoside is used in lower concentrations, usually between 3% and 5%. This concentration is mild enough for daily use, reduces the risk of irritation, and provides gentle but effective removal of dirt, makeup, and sebum. Combining it with mild moisturizing and anti-inflammatory ingredients can further improve the skin feel and long-term benefits. In hand soaps, where efficiency in removing bacteria and dirt is important, coco glucoside can be present in concentrations from 5% to 15%, depending on the desired strength of the product. These formulations often include additional surfactants and antimicrobial agents to achieve optimal cleaning and hygiene, with coco glucoside contributing its mild and moisturizing properties. When formulating products with coco glucoside, it is important to carefully balance concentrations and combinations with other ingredients to achieve the desired product properties. Besides concentration, attention should be paid to the formulation's pH, as coco glucoside functions best in a pH range between 4 and 12. Stability and compatibility testing of all ingredients is crucial to ensure longevity and effectiveness.

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Application: Coco glucoside is used for making products such as shampoos, shower gels, facial cleansers, and hand soaps.

Animal Testing: Not tested on animals

GMO: Non-GMO

Vegan: Does not contain animal-derived components