

Cococin® - Nourishing Factor

Coconut water is often described as a «natural isotonic sports drink», providing higher amounts of electrolytes such as potassium and magnesium than conventional sports drinks. Coconut water solids also have a prebiotic role, and beneficially influence the balance of microflora in the gastrointestinal tract. When topically applied, coconut water solids nourish the skin and hair, supporting healthy cell growth.

Cococin®, The Nourishment Factor® captures the goodness of coconut water in a convenient, free flowing, and powder form. Recently affirmed GRAS for use in foods and clinically validated for its topical benefits, Cococin finds multifunctional applications in cosmetic, personal care and food and beverage compositions.

Produced under a patented lyophilization process, the amorphous nature of the solid produced by this process protects the protein components and environment sensitive actives during subsequent pulverization and storage. During storage, the material transforms to the more stable, less hygroscopic, crystalline state.

Cococin blends seamlessly with cosmetic compositions, and easily disperses in water, making it a compact and versatile nutrient pool for use in topical formulations, as well as in functional foods & beverages that nurture from the inside out.

Nutritionally versatile

It is important to differentiate between coconut milk and coconut water. The ratio of RNA-phosphorus to DNA-phosphorus is

significantly lower in the liquid endosperm of mature coconuts as compared to that of green coconuts. RNA plays an important role in amino acid transport and respiratory metabolism in living cells. Coconut water used to make Cococin is obtained from green coconuts at the optimal stage of maturity, to ensure a high content of RNA and growth factors, including shikimic acid, quinic acid and indole-3-acetic acid, along with essential vitamins, amino acids, and minerals. At the completion of growth, the solid endosperm and the last of the coconut water provide nourishment for the forming embryo and seedling. Thus, coconut water serves the role as a reservoir of nutrients to support tissue growth (Tulecke, et. al; 1961).

Coconut water has been used in the tropics as a nutritive and rehydrating agent to restore electrolyte balance in cases of diarrhea (Adams, et al.; 1992). A published research report mentions that coconut water can be used as a short term intravenous (IV) fluid (Campbell-Falck et al.; 2000). Other reported applications include use in total parenteral nutrition (TPN) (Petroianu, et al.; 2004), and sports beverages (FAO, 1998).

Cococin is The Nourishment Factor® that provides a valuable nutrient pool for enhancing food and beverage, as well as cosmetic product formulations (see in the osmetic part). Cococin can be safely used in oral care as well as lip care compositions.

Cytokinins and several important minerals in Major (mm/l: Ca,K,Mg,Na,), or Minor (µm/l: B,Mn,Zn...) or trace quantities (nm /l: Al, Cu,Mo...) are found in coconut water.

Coconut water, the liquid endosperm of green coconuts (*Cocos nucifera*), is a refreshing natural beverage, an oral re-hydrating agent, and a supplement in nutrient media for tissue culture.
Cococin is even more than that ...

Coconut water, the liquid endosperm of green coconuts (*Cocos nucifera*), is a **refreshing natural beverage**, an **oral rehydrating agent**, and a supplement in nutrient media for **tissue culture**. Often described as a “natural isotonic sports drink”, providing higher amounts of electrolytes such as potassium and magnesium than conventional sports drinks, it also have a prebiotic role, and beneficially influence the balance of microflora in the gastrointestinal tract.

It's so ideally finds important applications in:

- Rejuvenative health drinks
- Sports drinks and
- Kids nutritional support formulations

On **personal care** and cosmetic formulations, it supports cell growth of human tissues such as **hair follicles**. It is non-irritating to the skin and is rich in nutrients that provide **moisturization** and support blood circulation. With continued use, this product can also improve skin elasticity and skin tone and decrease skin roughness, while nurturing keratinous tissue to potentially reduce the appearance of the signs of aging.