



PREMIER COCOS NUCIFERA (COCONUT) **FRUIT JUICE**

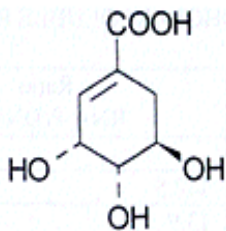
Product Code # 192000

INCI name: Cocos Nucifera (Coconut) Fruit Juice

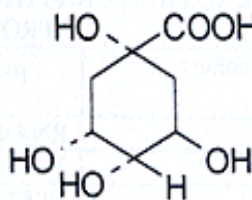
Cocos Nucifera (Coconut) Fruit Juice, also known as Coconut Water, is obtained from the liquid endosperm of *Cocos nucifera* L.

The literature reports coconut water as a natural reservoir of nutrients to promote tissue growth and has been used as a supplement in media for the growth of plant tissue cultures. The medium is rich in proteins, amino acids, sugars, vitamins, minerals and growth hormones essential to promote tissue growth.

Shikimic acids and quinic acids are present in coconut water and play a significant role in the nutrition of plant and tissue cultures.



Shikimic acid



Quinic acid

The RNA-phosphorus (RNA-P) content of coconut water was found to be consistently high at all levels of fruit maturity and is known to enhance amino acid transport and respiratory metabolism of living cells.

COSMETIC USE

- In view of the role of coconut water solids in supporting cell growth, *Cocos Nucifera* (Coconut) Fruit Juice may be used in applications to support the growth of human tissues such as hair follicles.
- *Cocos Nucifera* (Coconut) Fruit Juice can be used in hair care formulations and in rejuvenative topical preparations at levels of 1.0 – 5.0%.
- This material was found to be safe for topical use. In laboratory studies, the material was found to have zero skin irritation potential and LD₅₀ values greater than 2000 mg/kg when administered through the skin.

References

Tulecke, W. et al. (1961) The biochemical composition of coconut water (coconut milk) as related to its use in plant tissue culture. *Contributions from Boyce Thompson Institute*, 21:115-128.
Research Report # 6719 and 6720. Indian Institute of Toxicology. May 2000.