

Introduction About Coconut Water.

Coconut water is one of the most delicious and nutritious drink many would like to drink. It has got many medicinal properties. It contains organic compounds possessing growth promoting properties. It keeps the body cool, prevents summer boils and subsides rashes caused by small pox, chicken pox, measles etc.

Because of saline and albumen in coconut water, it forms a good drink for cholera, checks urinary infection, and diarrhea, and effective in the treatment of kidney stones and urethral stones. It can also be injected through intravenous in emergency case.

It aids quick absorption of medicines and has a natural isotonic beverages with some level of electrolytic balance as we have in our blood. It is urinary antiseptic and eliminates poisons in case of mineral poisoning. It is good for infants suffering from intestinal disturbances. It is an antidote to ward off the ill effects of tobacco and alcohol, an excellent tonic for old and sick and cures malnutrition. Found as blood plasma substitute because it is sterile, does not produce heat, does not destroy red blood cells and is readily accepted by the body. Coconut water with lot of vitamins, protein, sugar and minerals can serve as nutrition and health drink, energy drink, sports drink, welcome drink, and welfare drink.

Sourced: Cocoinfo International Vol. 11, Num 1, 2004/ISSN 0854-5006 P

Martin Satin , Chief of FAO's Agricultural Industries and Post-harvest management service, says: "It's natural isotonic beverage, with the same level of electrolytic balance as we have in our blood. What could be better than a natural beverage product with the delicate aroma, taste, drinking, characteristic and nutritional value of pure, fresh, tender coconut water, plus all the functional characteristics required of a sport drink?"

Sourced: Food And Agricultural Organization (FAO)

Coco water contains organic compounds possessing healthy growth promoting properties that have been known to help : Keep the body cool and at the proper temperature, orally re-hydrate your body, it is an all natural isotonic beverage, carry nutrients and oxygen to cell, naturally replenish your body's fluids after exercising, raise your metabolism, promote weigh loss, boost your immune system, detoxify and fight viruses, cleanse your digestive tract, control diabetes, aid your body in fighting viruses that cause the flu, herpes, and AIDS, balance your PH and reduce risk of cancer, threat kidney and urethral stones, boos poor circulation.

Sourced: www.cocowater.com

Numerous medicinal properties reported are:

Good for feeding infants suffering from intestinal disturbances, oral dehydration medium, contains organic compounds possessing growth promoting properties, keeps the body cool, application on the body prevents prickly heat and summer boils and subsides the rashes caused by small pox, chicken pox, measles, kills intestinal worms, presence of saline and albumin makes it a good drink cholera cases, checks urinary infections, excellent tonic for the old and sick, cures malnourishment, diuretic, Effective in treatment of kidney and urethral stones, can be injected intravenously in emergency case, Found as blood plasma substitute because it is sterile, does not produce heat, does not destroy red blood cells and is readily, accepted by the body, aids and quick absorption of the drug and makes their peak concentration in the blood easier by its electrolytic effect, urinary antiseptic and eliminates poisons in case of mineral poisoning, An anti dote to ward off the ill effects of tobacco and alcohol.

Sourced: Tender coconut, Coconut Development Board.

" Coconut water should be marketed as a natural energy drink for joggers and athletes" said the United Nations Food and Agriculture Organization (FAO). "Coconut water had a future only if we could invent a new cold sterilization process that retained its flavors and all its nutritional characteristics", Satin (Chief of FAO's Agricultural Industries and Post-harvest Management Service) said. "The answer was micro filtration technology.

Sourced: www.scienceblog.com



PT. TULUS AGRO



Coconut tree is known as “Tree of Life” because we can live practically based on coconut alone. One of the greatest Nature’s gifts is COCONUT WATER. Coconut water is one of the most delicious and nutritious drink many would like to drink. Each Coconut contains about 750ml of coconut water is only available fresh in tropical country sides close to sea. Furthermore, coconut is bulky and perishable without proper packaging which make is a challenging task to transport coconut water over a long distance. Now there is an answer to these obstacles. Our team has found a way to process, stored and transport coconut water (Angzcoco) in a concentrate form overseas without ANY ADDITIVE OR PRESERVATIVE. Coconut water is collected and processed to retain its freshness, nutrition and unique aroma. Now coconut water is available in a considerably large quantity to be further processed into ready to drink packaged coconut water anywhere in the world. Therefore anybody can have 100% natural coconut water.

PT Tulus Agro is an integrated coconut processing company established since 2002 and a sister company of PT. Tulus Tri Tunggal (Tulus Group). Our headquarter is in Surabaya and processing plant is based in Gorontalo - Sulawesi - Indonesia. PT. Tulus Agro is producing : white copra, coconut fibre, coco pith, coconut shell charcoal and coconut water concentrate.



Coconut Water Concentrate

Let us introduce briefly about ANGZCOCO. Angzcoco is a natural coconut water concentrate, no preservative, no additive (100% coconut water concentrate). Angzcoco is produced with high pressure nano filtration process to separate 70% water (H₂O) from coconut water. Using cold processing, Angzcoco hold up freshness, aroma, coconut taste and nutrition content. Our quality standard practice ensure fresh coconut water is processed within 3 hours after exposure to air. Coconut water concentrate is fast chilled and then stored in -20 degree Celcius storage. Our capacity is able to process 30.000 coconut per day, it is possible to collect 18.000 liter of fresh coconut water.

Packaging



Coconut Water Concentrate

Angzcoco specifications:

1. pH = 5,5 – 6.
2. Colour = turbid/ white
3. Brix = 3 - 6° brix
4. Taste and odor = Fresh coconut water and odor.
5. Packaging = Sanitized plastic LLDPE bag in box with cup sealed @ 20 Ltr, packed in double layer wax cartons .
6. Storage = -20 degrees celcius.
7. Transportation = Reefer container (-18 degrees Celcius).

Table 1. Shows PT. Tulus Agro's coconut water concentrate laboratory results.



Cl₂ generator (CIP)



Filling area



Machineries



Storage

Parameter	Unit	Result	Methods
Ash content	%	0.62	Gravimetric, method 942.05 *)
Moisture content	%	96.60	Drying oven 105 ⁰ C, to constant
Fat content	%	0	Acid Hydrolysis, method 954.02 *)
Raw fibre	%	0.01	Gravimetric, method 962.05 *)
Crude protein content (Nx6.25)	%	0.10	Kjeldahl Distillation, method 988.05 *)
Carbohydrate content	%	2.67	By difference
Calorific value	Cal/100 gr	11.08	By Calculation
Kalium (K) content	%	0.20	AAS, method 986.15 *)
Natrium (Na) content	ppm	301.16	AAS, method 986.15 *)
Magnesium (Mg) content	ppm	126.64	AAS, method 986.15 *)
Calcium (Ca) content	ppm	198.86	AAS, method 986.15 *)
Phospor (P) content	ppm	97.82	Spectrophotometric, method 965.17*)
Lead (Pb) content	ppm	<0.50	AAS, method 986.15 *)
Copper (Cu) content	ppm	1.32	AAS, method 986.15 *)
Zinc (Zn) content	ppm	1.02	AAS, method 986.15 *)
Tin (Sn) content	ppm	<0.50	AAS, method 971.21 mod.*)
Arsenic (As) content	ppm	<0.001	AAS, method 971.21 mod.*)
Mercury (Hg) content	ppm	<0.001	AAS, method 971.21 *)

For further Information, please visit our web site : www.tulus.com or contact our marketing office :

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