

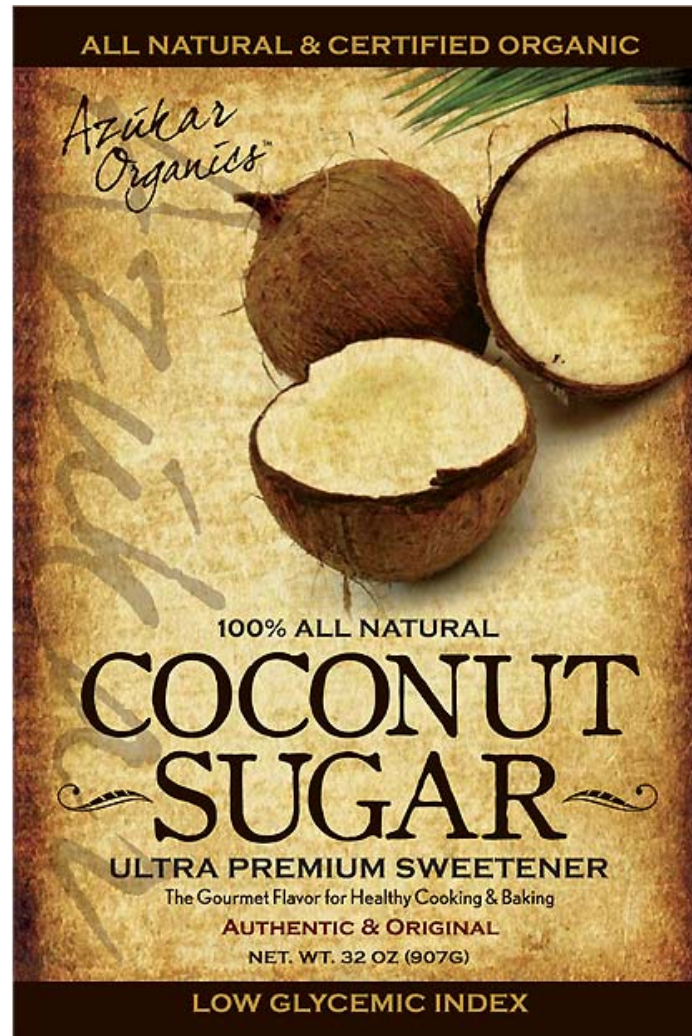


All Natural & Certified Organic

COCONUT SUGAR

**“The Natural Choice for
Diabetics and Everyone”**

COCONUT SUGAR



COCONUT SUGAR

COCONUT SUGAR IS MADE FROM FRESH COCONUT SAP (TODDY) COLLECTED FROM THE CUTTINGS OF ITS INFLORESCENCE (FLOWER BUDS)

Flower Buds



Sugar

Sap

COCONUT SUGAR

Ultra Premium Benefits of Coconut Sugar

- **100% All Natural & Certified Organic**
- **Delicious Gourmet Quality, Texture & Flavor**
- **The Perfect Natural Sweetener Ingredient for All Healthy & Eco-Consious Lifestyles**
- **Current research Shows that Prolonged Use of Coconut Sugar can Help Manage Weight & Stabilize Insulin Levels In People with Type 1 & Type 2 Diabetes**
- **Low Glycemic Index**
- **Diabetics can Enjoy Coconut Sugar without the Worries of Hyperglycemia**

COCONUT SUGAR

Nutrition Facts

Comparative Micronutrient Analysis of Three Types of Sugars

Nutrient Content	Coconut Sap Sugar (a)	Brown Cane Sugar (b)	Refined (White) Sugar (c)
Micronutrients mg/L (ppm) in dry matter			
Manganese (Mn)**	1.3	2.0	0
Boron (B)**	0.30	0	0
Zinc (Zn)**	21.20	2.0	1.20
Iron (Fe)**	21.90	12.60	1.20
Copper (Cu)**	2.3	0.6	0.60
Macronutrients mg/L (ppm) in dry matter			
Nitrogen (N)*	2,020	100	0
Phosphorus (P)**	790	30	0.70
Potassium (K)	10,300	650	25
Calcium (Ca)	60	240	60
Magnesium (Mg)	290	70	10
Sodium (Na)	450	20	10
Sulfur (S)	260	130	20

a Sourced from Zamboanga Research Center; b Brand GK; c Brand Hermano

* Determined through combustion method using Nitrogen Analyzer

** Determined using ICP-AES / Analyzed by: Philippine Coconut Authority - Plant and Tissue Analysis Laboratory

COCONUT SUGAR

Nutrition Facts

Amino Acid & Vitamin Contents of Fresh Coconut Sap

AMINO ACID	Value (g/10g)	VITAMIN	Value (mg/dl)
Histidine	1.19	Thiamine (Vit. B1)	77.0
Arginine	0.35	Riboflavin (Vit. B2)	12.20
Aspartic Acid*	11.22	Pyridoxine (Vit. B6)	38.40
Threonine*	15.36	Para-amino benzoic acid	47.10
Serine*	8.24	Pyridoxal	38.40
Glutamic Acid*	34.20	Pantothenic acid (Vit.B5)	5.20
Proline	3.52	Nicotinic acid (Vit.B3)	40.60
Glycine	0.47	Biotin (Vit. H)	0.17
Alanine	2.56	Folic acid (Vit.B9)	0.24
Valine	2.11	Inositol	127.70
Methionine	-	Choline	9.0
Isoleucine	0.38	Vitamin B ₁₂	Trace
Leucine	0.48		
Tyrosine	0.31		
Phenylalanine	0.78		

Source: Kozaki, 1974 as cited in PCARRD, 1993 Coconuts Today, Vol. XIX November 2004/October 2005

*Dominant amino acids

COCONUT SUGAR

Nutrition Facts

Analyses of Coconut Sugar

<i>Glucose</i>	2.0%
<i>Fructose</i>	2.9%
<i>Sucrose</i>	84.98%

Quality Test of Coconut Sugar

<i>Moisture</i>	2.20%
<i>Sucrose</i>	85.64%
<i>Reducing Sugar</i>	7.51%
<i>Total Sugar as Invert</i>	97.65%

COCONUT SUGAR

Nutrition Facts

Glycemic Index (GI)

- *Based on Food and Nutrition Research Institute (FNRI) study on 2007, the GI of coconut sap sugar is 35, hence classified as Low GI food, which can be used as natural sweetener of diabetics*

<i>HIGH</i>	<i>> 70</i>
<i>MED</i>	<i>56 - 69</i>
<i>LOW</i>	<i>< 55</i>

- *The GI is a ranking system for carbohydrates based on the immediate effect on blood glucose levels*
- *The higher the number, the greater the blood sugar response*
- *A low GI food will cause a small rise in blood glucose level, while a high GI food will trigger a dramatic spike*

COCONUT SUGAR

Nutrition Facts

Coconut Sugar Food & Nutritive Values

Particulars	Values
Total Energy Content, cal/100g	369.40
Total carbohydrate ^a , g/100g	92.3
Moisture ^a , %	2.2
Ash, %	2.2
Crude Protein, %	1.3
Crude Fat ^a , %	0.12
Vitamins and Minerals	
Vitamin C ^a , mg ascorbic acid/100g	23.4
Thiamine	0.41
Macronutrients, mg/100g	
Potassium	1,300.0
Phosphorus	79.0
Magnesium	29.0
Sulfur ^b	26.0
Calcium	6.0
Micronutirents, mg/100g	
Zinc	2.0
Iron	2.0
Boron ^b	0.63
Copper ^b	0.23
Manganese ^b	0.13

^aAnalyzed by SGS, Philippines

^bAnalyzed by PTAL-PCA

Multiply by 10 to convert mg/100g to ppm (mg.kg)

COCONUT SUGAR

Nutrition Facts

Coconut Sugar Rich in Life Sustaining Nutrients

Glutamic Acid - Important in the metabolism of sugars and fats. It is used in the treatment of epilepsy, mental retardation, muscular dystrophy, ulcers, and hypoglycemic coma, a complication of insulin treatment for diabetes

Inositol - Vital for hair growth and helps to prevent high cholesterol and the hardening of the arteries caused by cholesterol buildup

Vitamin B1 (thiamine) - Positive effect on energy, growth, normal appetite, and learning capacity also acts as an antioxidant.

PABA (Para Amino Benzoic Acid) - An anti-oxidant which helps in the formation of red blood cells

Calcium - Vital for strong bones and teeth; also needed for the heart and nervous system and for muscle growth and contraction.

Magnesium - Essential for enzyme activity, calcium and potassium uptake, nerve transmission, bone formation, and metabolism of carbohydrates and minerals.

COCONUT SUGAR

Nutrition Facts

Coconut Sugar Rich in Life Sustaining Nutrients

Potassium - Helpful in treating high blood pressure, excessive use of salt along with inadequate intake of fruits and vegetables results in potassium deficiency.

Phosphorus - needed for cell and bone growth, kidney function.

Zinc - Boosts your immunity, called the “intelligence mineral”, zinc is required for mental development, for healthy reproductive organs (particularly prostate gland).

Iron - Vital for healthy blood, iron deficiency is associated with poor mental development and problems with the immune system.

High level of active Cl ions - Provides electrical neutrality (acid-base body balance) and correct pressure of body fluids, balance electric charges in the human nervous system and enhances the efficient digestion and immune systems for our healthy body and mind

COCONUT SUGAR

How is it Made?

DWARF COCONUT TREES



FLOWER BUDS



SAP TAPPING



COCONUT SUGAR



CRYSTALLIZATION



CAMELIZATION



SAP COLLECTION

COCONUT SUGAR

Retail Size



**32 & 16 Oz
Resealable Biodegradable
PLA Lined Kraft Bag**

COCONUT SUGAR

Retail Size



**32 & 16 Oz
Resealable Plastic Pouch**

COCONUT SUGAR

Retail Size



**5 gm Foil Sachets
In a 50 pc Pack**

COCONUT SUGAR

Available in Bulk



25 x 1 Kg Box



25 x 1 Kg Kraft Bag



DISTRIBUTED BY

ABAKA HOLDINGS INTERNATIONAL

Mailing Address: PO Box 11406
Carson, CA 90745
USA

Showroom: 316 W. Carson Street
Carson, CA 90745
USA

Phone: (310) 499-0846

Fax: (310) 782-6977

sales@abakaholdings.com

celia@azukarorganics.com

