Rooted in goodness™	**PRODUCT SPECIFICATION** **BIG TREE FARMS ORGANIC COCONUT SUGAR BLONDE – Mesh 12**	**Document No.**	DOC-QFS-SFG-07
		Rev.	05
		Effective Date	December 01 , 2015
		Page	1 of 5

Product Description : Big Tree Farms Organic Coconut Sugar Blonde - Mesh12

Part of the plant used : Flower Blossom Nectar of Cocos *nucifera* L

Country of Origin : Indonesia

I. Characteristic Product

Characteristic	Analyze	Standard	Unit
A. Chemical	Moisture Content	≤ 3	% v/w
	Ash Content	≤ 3	% v/w
	Sucrose	≥ 75	% v/w
	Reduction Sugar	≤ 10	% v/w
	Total Sugar as Invert	< 90	% v/w
B. Physical	Mesh Size	12	Mesh
	Insoluble Matter	0.5	%
	Foreign Material*	Max 0.005	%
	Color	Light Brown	-
	Appearance	Powder	-
	Aroma	Unique	-
	Flavor	Sweet	-
C.Microbiological	Total Plate Count	< 10000	cfu/gr
	Total Yeast	< 1000	cfu/gr
	Total Mold	< 1000	cfu/gr
	Salmonella sp	Negative	In 25 gr
	Escherichia Coli	Negative	In 11 gr
D. Heavy Metals	Pb	≤ 0.01	ppm
	Cd	≤ 0.01	ppm
	As	≤ 0.01	ppm
	Hg	≤ 0.01	ppm

*-Foreign material that refer to this substance such as, but not limited, to glass, stone,wood,metal,insect, and bone

- As a HACCP Certified facility, Big Tree Farms apply horizontal metal detector with sensitivity detection as Fe 1.2 mm, Non Fe 1.5 mm,and SS 2.0 mm. Therefore Big Tree Farms guarantees there are no foreign metal contaminant contain in the sugar that has larger dimension based on the sensitivity level

II. Ingredient List : Organic Coconut Sugar

Limestone as processing aid less than 1%

United States:
2305 Ashland St, Ste C-506
Ashland, OR 97520
Ph: +1 541-488-5605

Indonesia:
Banjar Piakan
Desa Sibangkaja Kecamatan Abiansemal
Kabupaten Badung, Bali, Indonesia 80352
ph: +62 361 846 3327

info@bigtreefarms.com www.bigtreefarms.com

III. Nutritional Facts per 100 gram

No.	Parameter	Unit	Result	Method
1.	Total calorie	kcal	382.67	Calculation
2.	Calorie from fat	kcal	7.11	Calculation
3.	Total fat	g	0.79	SNI 01-2891-1992 butir 8.2
4.	Protein	g	1.18	18-8-31/MU/SMM-SIG, Kjeltec
5.	Total carbohydrate	g	92.71	18-8-9/MU/SMM-SIG
6.	Saturated fat	g	0.60	18-6-1/MU/SMM-SIG, GC
7.	Trans fatty acid	g	0	18-6-7/MU/SMM-SIG, GC
8.	Cholesterol	mg	0	18-6-5/MU/SMM-SIG, GC
9.	Vitamin A	mcg	0	18-5-1/MU/SMM-SIG, HPLC
10.	Vitamin C	mg	0	18-5-2/MU/SMM-SIG, HPLC
11.	Sodium	mg	146.51	18-13-1/MU/SMM-SIG, ICP-OES
12.	Dietary fiber	g	9.47	18-8-6-2/MU/SMM-SIG
13.	Total sugar	g	83.18	SNI 01-2892-1992, butir 4.1
14.	Iron	mg	2.34	18-4-1/MU/SMM-SIG, AAS
15.	Phosphorus	mg	62.2	18-13-1/MU/SMM-SIG, ICP-OES
16.	Calcium	mg	255.66	18-13-1/MU/SMM-SIG, ICP-OES
17.	Potassium	mg	463.27	18-13-1/MU/SMM-SIG, ICP-OES
18.	Magnesium	mg	25.87	18-13-1/MU/SMM-SIG, ICP-OES
19.	Manganese	mg	0.23	18-4-1/MU/SMM-SIG, AAS
20.	Chloride	mg	16.32	SNI 01-2891-1992, butir 15.1
21.	Zinc	mg	0.59	18-4-1/MU/SMM-SIG, AAS
22.	Nitrogen	g	0.19	18-8-31/MU/SMM-SIG, Kjeltec
23.	Sulfur	mg	0.21	18-9-25/MU/SMM-SIG, Spektrofotometri

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IV. Allergen List

IV.1 List Priority Allergens

Allergen *	Allergen Present in the Ingredient		Exact name or the Allergen or its derivatives	Allergen present in the facility				Procedure in place to prevent cross-contamination (specify)
				On the same line		In the same facility		
	Yes	No		Yes	No	Yes	No	
1. Peanut or derivatives		x			x		x	
2. Tree nuts or derivatives		x			x		x	
3. Milk or derivatives		x			x		x	
4. Eggs or derivatives		x			x		x	
5. Fish or derivatives		x			x		x	
6. Shelfish or derivatives		x			x		x	
7. Wheat or derivatives		x			x		x	
8. Soy or derivatives		x			x		x	
9. Sulphites (specify ppm level)		x			x		x	
10. Seeds or derivatives		x			x		x	

* 1. Peanut and derivatives : pieces, protein, oil, butter, flour, mandelona nuts, lupin, etc
2. Nuts : almonds, brazil nuts, cashew, hazelnuts (fibers), macadamia nuts, pecans, pine nuts (pinions, pinot), pistachios, walnuts and coconut
6. Shellfish : crab, crayfish, lobster, prawn and shrimp, mollusks, snails, mussels, oyster, cockie, and scallops
10. Seeds: sesame, Poppy, sunflower, cotton

IV.2 Other Information

Other Product to Identify**	Product Present in The Ingredient		Exact name or the Allergen or its derivatives	Product present in the facility				Procedure in place to prevent cross-contamination (specify)
				On the same line		In the same facility		
	Yes	No		Yes	No	Yes	No	
A. Source of gluten		x			x		x	
B. Tartrazine / Sunset yellow FCF		x			x		x	
C. Corn or its derivatives		x			x		x	
D. Flavor enhancers		x			x		x	
E. Celery		x			x		x	
F. Other		x			x		x	

** A. Source of gluten are : rye, barley, oat and triticale. Wheat, spelt and kamut are also sources of gluten but they should be indicated in IV.1
B. Tartrazine or yellow 5, sunset yellow FCF or yellow 6
C. Corn includes com flour, corn starch and corn syrup
D. Flavor enhances includes maltol, ethil maltol, monosodium glutamate
E. Celery includes roots, leaves, and stalk but not the seeds

V. Packaging Specification

Category	Weight	Packaging Description
Bulk	23 kg	PE per plastic liner, cable ties, double kraft paper case box sealed with tape
	25 kg, two units of 12.5 kg each	PE per plastic liner, cable ties, double kraft paper case box sealed with tape

VI. Recomendation

- Shelf Life Recommendation : 3 years if storage under proper condition as recommend below
- Storage recommendation : Store in airtight container in dry place, away from sunlight and heat

VII. Certification

- GMP Certified by Sucofindo
- USDA Organic by Control Union
- EU Organic by Control Union
- Non GMO Certification by Non GMO Project
- Kosher by Earth Kosher
- Social and Fair Trade Standard by Control Union Fair Choice
- Food Safety Management System Certified as complying with HACCP and GMP by SAI Global

Approved by,
Tassa Agustriana **Q&FS Manager**

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