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Fiocco di Bosco®

DEEP FROZEN
PEELED
SWEET CHESTNUTS
IQF

Product Specification

Item: 898

Release:2.3

DATE: 9.01.2008

l- Description

The product is obtained from fresh chestnuts, collected to maturation, calibrated, cleaned up, peeled and frozen IQF. The product is supplied to CATTEL CATERING SPA into FIOCCO di BOSCO[®] 2kg bag / 3 pieces in each carton x 81 cartons on Eur pallet.

2- Ingredients

Sweet Chestnuts, FIOCCO di BOSCO® selection.

3- Preparation guidelines

A precious ingredient for hundreds of delicious recipes: entrèes and main dishes, stuffed and pastry. To get the true woodland taste put the product (right quantity), still frozen, in already warm oven at 200° C for approximately 8 minutes or in a microwaves oven for 2-4 minutes. Use immediately when thawed. You can also boil them still frozen in hot, slightly salted water for maximum 10 minutes.

4- Composition

Ingredient	%	Species	Description
Peeled Chestnut	100	Sativa Castanea	Whole, calibrated and peeled fruits
without peel		Tardy varieties	1

5 - Nutritional Information

This data conforms with the requirements of EC council Directive 90/496/EEC

100g of uncooked Peeled by steam Sweet Chestnuts					
Energy	y 15	7 kcal			
	hydrate	30.9g			
	as sugars	6.4g			
Fat		1.8g			
	as saturates	0.4g			
	Protein	2.3g			
	Fibre	4.1g			

6- Organoleptic characteristics

General aspect

Chestnuts without the peel.

Characteristic aspect, with yellow ivory pulp. The product appears homogenous for aspect, colour and dimensions.

Colour

Ivory Yellow, shining pulp.

Smell/Taste

Typical of uncooked chestnuts, sweet and pleasant

Consistence

Firm, slightly crisp.

7-Technology of production

Operation	Equipment	Characteristics		
Picking to maturation	Manual; period: 1 st / 2 nd	At the spontaneous opening of		
	October, Varieties: tardy	the husks the fruits are picked up		
	D: 02001	from the ground		
Stop for the product in mass	Bins of 300 kg			
soon after the picking if Qin >		Store at 4+ °C, at a constant		
Qout		temperature and humidity		
First Selection	Manual	Elimination of fruits with		
		mildew, pierced, and foreign		
Gauging	Cylindrical pierced rotary	matter.		
	sieves			
CI.				
Cleaning	Exhaust fans	Elimination of the fragments of		
Peeling	By steam	gauging T= 120°C		
1 cering	By steam	1 120 C		
Deep-freezing	Tunnel line	Final temperature "At the core"		
	IQF by azote	<-20 °C		
Metal detecting	Automatic metal detector	Direct unloading from the deep-		
D 1:	D:	freezer		
Packing	Big carton boxes of 400 Kg	T< -21 °C		
Storing	In cold store			
Storing	III COIG STOIC			

8-Microbiological characteristics

			m	M	C
(1)-	Total mesofila count out	ufg/g	<100000	<300000	2
(2)-	Total coliformi	"	<100	<1000	2
(3)-	E. Coli	۲۲	<5	<10	2
(4)-	Staphilococcus aureus	"	absent	absent	2
(5)-	Listeria monocitogenes	"	absent	absent	/
(6)-	Salmonella		absent	absent	/
	Ufc/25 g				

Legenda: m=standard; M(max) = 10 m; n = 5 (numbers of analysed samples); c= number of samples with microbic charge included between m and M.

10-Materials and merhods

- (1)-Plate count agar at 37 °C for 24 hours or at 32° C for 48 hours
- (2)-Violet red bile acar at 32° C for 24 hours
- (3)-Violet red bile agar + mug at 32° C for 24 hours
- (4)-Baird Parker + egg yolk tellurite emulsion at 37° C for 43 hours
- (5)- Enrichment in Listeria Enrichment Broth at 30° 'C for 24 hours; insulation in Oxford Agar at 32° C for 24 hours;
- (6)-Pre-enrichment in Buffered Peptone Water at 44° C for 24 hours; selective enrichment in Rappaport Vassilisdis Broth at 42°C for 24 hours:

insulation in Hektoen Agar and Rambach Agar at 42°C for 24

hours;

identification of the suspect colonies with Enterotube or API 20 E.

11- Legal wordings: (on the confection)

For the final consumer, according to : D.L.27/0 1/92 ,n. 109 ; L.25/10/78, n.690 and D.M. 27/2/79; DL-27/01/92, n. 110; to D.L. 30/12/92, n. 531; D. MM. 15/07/83 and the succesive adjournments.

12- Minimal term of conservation : 24 months from the date

13-Storing and transport temperature: The product must uninterruptedly be

maintained to temperature \leq - 21° C

14-Controls and frequencies: Reference to the self-control instituted in the

plant, HACCP manual.

15-General conditions : The product must be suitable in all its aspects

to human alimentary use and must turn out in compliance with all the enforced norms in matter, also for what is not specifically

brought back.

The present final product detailed here above, does not contain any additive and no additive was used before and during the whole production process

The present detailed list must be con	sidered confidential document.
Copy to give back countersigned	