

WESTNUT PRODUCT SPECIFICATION

PRODUCT: HAZELNUT PASTE

20 Kg Pail

ITEM# 63222

WNQA# 620

Date: 06/25/04

Supersedes: 06/23/03

DESCRIPTION

Hazelnuts are dry roasted using a gas fired oven, ground to a smooth, viscous fluid and blended with sugar and sunflower oil. No unauthorized additives, fumigants pesticides or preservatives are permitted.

ORGANOLEPTIC

Color	Tan color. No additional colorants added.
Flavor & Odor	Clean. Typical of hazelnuts. No musty, rancid, bitter or other off flavors or odors.
Texture	Smooth and creamy.

CHEMICAL & PHYSICAL

<u>PARAMETER</u>	<u>SPECIFICATION</u>	<u>TEST METHOD</u>
Aflatoxin	10 ppb Maximum	AOAC
Color	48 ± 1.5 L	Westnut 1100
Fineness	5 ± 5 microns	Westnut
Free Fatty Acid (as oleic)	1.0% Maximum	AOAC
Moisture	1.0% Maximum	AOAC
Sunflower Oil	2.5 ± 1.0%	
Sugar Composition	43% ± 1%	
Hazelnut Composition	57% ± 1%	
Foreign Material	4 fragments per 100 lbs Maximum	Westnut 1220

Extraneous Matter: The product shall be free of any extraneous matter of any sanitary significance. The producer shall meet all FDA and/or USDA Good Manufacturing Practices.

MICROBIOLOGICAL

<u>PARAMETER</u>	<u>SPECIFICATION</u>	<u>TEST METHOD</u>
Standard Plate Count	25,000 per gram maximum	AOAC
Coliform	Less than 10 per gram	AOAC
E. Coli	Negative	AOAC
Mold	Less than 100 per gram	BAM FDA
Yeast	Less than 100 per gram	BAM FDA
Salmonella	Negative	AOAC
Staphylococcus aureus	Less than 10 per gram	BAM FDA
Listeria	Negative	AOAC

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STORAGE AND PACKAGING REQUIREMENTS

Packaging 20 kilogram polyethylene pails must be labeled with the supplier's name, product name and lot code.

Shelf Life 12 months at 34°F to 38°F.

Lot Code Production Date, WXXYYZ, where W indicates shift, XX indicates month, YY indicates date, and Z indicates the last digit of the year.

NOTE: DO NOT STORE NEAR ODOR PRODUCING SUBSTANCES.

INGREDIENT STATEMENT

HAZELNUT PASTE CONTAINS: Hazelnuts, sugar and sunflower oil

Composition of Hazelnut Paste w/ Sunflower Oil

100 gram edible portion

Energy	540	<u>Micronutrients in mg</u>	
Moisture	1.00	Calcium	89.8
Protein	8.40	Iron	1.90
Total Fat	37.00	Sodium	<1.00
Saturated	2.60	Potassium	373.8
Monounsaturated	28.70	Magnesium	94.2
Polyunsaturated	5.10	Phosphorus	172.6
Trans Fats	0	Zinc	1.1
Cholesterol	0.	Copper	<1.0
Total Dietary Fiber	3.7	Vitamin E	11.82
Soluble	<1.0	Vitamin C	1.61
Insoluble	3.5		
Total Carbohydrate	52.0	Vitamin A	0.00
Complex	12.0		
Sugars	45.0		