

WESTNUT PRODUCT SPECIFICATION

PRODUCT: LARGE DICED DRY ROASTED HAZELNUTS
25# Vacuum Packed Case

ITEM# 34614
WNQA# 440

Date: 06/25/06
Supercedes: 01/12/01

DESCRIPTION

A hazelnut kernel is roasted using a gas fired oven, cut to a dice size and has the natural flavor and odor of roasted hazelnuts. No unauthorized additives, fumigants, pesticides or preservatives are permitted.

ORGANOLEPTIC

Color	Cream to tan meats with red brown to dark brown skins.
Flavor & Odor	Clean. Typical of hazelnuts. No musty, rancid, bitter or other off flavors or odors.
Texture	Firm, crunchy.

CHEMICAL & PHYSICAL

<u>PARAMETER</u>	<u>SPECIFICATION</u>	<u>TEST METHOD</u>
Aflatoxin	10 ppb Maximum	AOAC
Fat	59.4 +/- 3.0%	AOAC
Free Fatty Acid (as oleic)	1.0% Maximum	AOAC
Moisture	3.2% Maximum	AOAC
Particle Size	Approximately 6 mm	
On U.S. 5/16" 0.31in 7.9mm	5% Minimum	Westnut 1710
Thru U.S. #12 0.07in 1.7mm	3% Maximum	
Pesticide Residual	None Detectable	MRM Pesticide Screen
Foreign Material	4 shell fragment per 100 lbs Max	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	10,000 per gram maximum	AOAC
Coliform	Less than 100 per gram	AOAC
E. Coli	Less than 10 per gram	AOAC
Mold	Less than 500 per gram	BAM FDA
Yeast	Less than 500 per gram	BAM FDA
Salmonella	Negative	AOAC
Staphylococcus aureus	Less than 20 per gram	BAM FDA
Listeria	Negative	AOAC

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STORAGE AND PACKAGING REQUIREMENTS

Packaging Cases marked with supplier's name, product name and lot code. 25 lb. net corrugated cardboard boxes are sealed with tape. Foil liners are vacuum packed, back flushed with nitrogen, and heat sealed. No staples or wire ties are permitted.

Shelf Life 12 months at 34° 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.

Composition of Roasted Hazelnut Kernels

Nutrient	100 gram edible portion	Micronutrients in mg	
Energy	646	Calcium	123
Moisture	2.52	Iron	4.38
Protein	15.03	Sodium	0.00
Total Fat	62.40	Potassium	755
Saturated	4.511	Magnesium	173
Monounsaturated	46.608	Phosphorus	310
Polyunsaturated	8.463	Zinc	2.50
Trans Fat	0	Copper	1.75
Cholesterol	0.000	Vitamin E	15.438
Total Dietary Fiber	9.4	Vitamin C	3.8
Total Carbohydrate	17.6	Vitamin A	61 IU
Sugars	4.89		