

Sadettin SAMRIOĞLU

Hazelnuts Products Manufacturing & Foreign Trade Co.
Rıza Samrioğlu Caddesi No:1 Kocaali 54800 Sakarya Türkiye

Your Hazelnuts Supplier since 1940



The Miracle Nut

**TURKISH
HAZELNUTS**



Groups, Origins, Types, Sizes and Packages

Hazelnuts Usage Areas

| Use | Most commonly used forms |
|----------------|--|
| Chocolate | Whole kernel, diced, paste, meal |
| Bakery | Diced, meal, paste |
| Mixed nuts | Roasted, blanched, natural whole kernels |
| Cookie | Diced, paste, meal |
| Ice-cream | Diced |
| Salads, coffee | Hazelnut oil |
| | Hazelnut oil |

| Vitamin E | Vitamin B1 | Vitamin B2 | Vitamin B6 |
|-----------|------------|------------|------------|
| 23.14 mg | 0.210 mg | 0.114 mg | 0.242 mg |

Hazelnut is a product rich in unsaturated fats are beneficial to human health. They do not contain cholesterol. Main Ingredients of Turkish Hazelnuts (100 g of hazelnuts) Unit

Energy (kcal) 640.00, Fat (g) 62.60, Of Which (%) Palmitic Acid 2.96, Stearic Acid 0.52, Oleic Acid 90.71, Linoleic Acid 5.81, Protein (g) 19.65 , Carbohydrates (g) 11.90, Moisture (g) 3.02, Fiber (g) 1.81, Potassium (mg) 456.40, Magnesium (mg) 146.59, Calcium (mg) 127.64, Vitamin E 23.14 , Iron (mg) 4.99, Zinc (mg) 2.04, Sodium (mg) 0.28, Vitamin B6 (mg) 0.242, Vitamin B1 (mg) 0.210, Vitamin B2 (mg) 0.114

| Fat Composition | | | |
|-----------------|---------------|---------------|--------------|
| Oleic Acid | Linoleic Acid | Palmitic Acid | Stearic Acid |
| 90.71 % | 5.81 % | 2.96 % | 0.52 % |

You can consider the hazelnut a mineral and vitamin tablet due to it's proven valuable contributions to human health.

| Energy | Fat | Protein | Carbohydrates | Moisture | Fiber |
|-------------|-----------|-----------|---------------|----------|---------|
| 641.00 kcal | 62.60 g | 19.65 g | 11.90 g | 3.02 g | 1.81 g |
| Potassium | Magnesium | Calcium | Iron | Zinc | Sodium |
| 456.40 mg | 146.59 mg | 127.64 mg | 4.99 mg | 2.04 mg | 0.28 mg |

Nutritional Comparison of Nuts and Peanuts
1 Ounce

| Nutrient | Units | Hazelnuts | Almonds | Brazils | Cashews | Macadamias | Peanuts | Pecans | Pine nuts | Pistachios | Walnuts |
|---------------------|-----------------|-----------|---------|---------|---------|------------|---------|-----------|-----------|------------|-----------|
| | # of kernels/oz | 21 | 23 | 6-8 | 18 | 10-12 | | 20 halves | 167 | 49 | 14 halves |
| Calories | kcal | 178 | 163 | 186 | 163 | 204 | 161 | 196 | 191 | 162 | 185 |
| Protein | g* | 4.24 | 6.02 | 4.06 | 4.34 | 2.21 | 7.31 | 2.6 | 3.88 | 6.05 | 4.32 |
| Total Fat | g | 17.22 | 14.01 | 18.83 | 13.14 | 21.57 | 13.96 | 20.4 | 19.38 | 13.03 | 18.49 |
| Saturated Fat | g | 1.266 | 1.058 | 4.291 | 2.596 | 3.387 | 1.937 | 1.752 | 1.389 | 1.575 | 1.737 |
| Monounsaturated Fat | g | 12.942 | 8.757 | 6.959 | 7.744 | 16.804 | 6.926 | 11.567 | 5.32 | 6.865 | 2.533 |
| Polyunsaturated Fat | g | 2.245 | 3.463 | 5.824 | 2.222 | 0.425 | 4.411 | 6.128 | 9.659 | 3.94 | 13.374 |
| Cholesterol | mg** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Carbohydrate | g | 4.73 | 5.6 | 3.48 | 9.27 | 3.79 | 4.57 | 3.93 | 3.71 | 7.84 | 3.89 |
| Fiber | g | 2.7 | 3.422 | 2.1 | 0.9 | 2.3 | 2.4 | 2.7 | 1 | 2.9 | 1.9 |
| Calcium | mg | 32 | 75 | 45 | 13 | 20 | 26 | 20 | 5 | 31 | 28 |
| Iron | mg | 1.33 | 1.05 | 0.69 | 1.7 | 0.75 | 1.3 | 0.72 | 1.57 | 1.19 | 0.82 |
| Magnesium | mg | 46 | 76 | 107 | 74 | 33 | 48 | 34 | 71 | 34 | 45 |
| Phosphorus | mg | 82 | 137 | 206 | 139 | 56 | 107 | 79 | 163 | 137 | 98 |
| Potassium | mg | 193 | 200 | 187 | 160 | 103 | 200 | 116 | 169 | 295 | 125 |
| Zinc | mg | 0.69 | 0.87 | 1.15 | 1.59 | 0.37 | 0.93 | 1.28 | 1.83 | 0.65 | 0.88 |
| Copper | mg | 0.489 | 0.282 | 0.494 | 0.629 | 0.162 | 0.324 | 0.34 | 0.375 | 0.376 | 0.45 |
| Manganese | mg | 1.751 | 0.648 | 0.347 | 0.234 | 0.861 | 0.548 | 1.276 | 2.495 | 0.361 | 0.968 |
| Thiamin | mg | 0.182 | 0.06 | 0.175 | 0.057 | 0.201 | 0.181 | 0.187 | 0.103 | 0.238 | 0.097 |
| Riboflavin | mg | 0.032 | 0.287 | 0.01 | 0.057 | 0.025 | 0.038 | 0.037 | 0.064 | 0.045 | 0.043 |
| Niacin | mg | 0.510 | 0.96 | 0.084 | 0.397 | 0.645 | 3.421 | 0.331 | 1.244 | 0.404 | 0.319 |
| Pantothenic acid | mg | 0.26 | 0.133 | 0.052 | 0.345 | 0.171 | 0.501 | 0.254 | 0.089 | 0.145 | 0.162 |
| Vitamin B6 | mg | 0.16 | 0.041 | 0.029 | 0.073 | 0.102 | 0.099 | 0.06 | 0.027 | 0.361 | 0.152 |
| Folate | mcg | 32 | 14 | 6 | 20 | 3 | 68 | 6 | 10 | 14 | 28 |
| Arginine | g | 0.627 | 0.693 | 0.609 | 0.494 | 0.391 | 0.875 | 0.334 | 0.684 | 0.598 | 0.646 |
| Vitamin K | mcg | 4 | 0 | 0 | 9.8 | 0 | 0 | 1 | 15.3 | 3.7 | 0.8 |
| Vitamin E | mg | 4.26 | 7.43 | 1.62 | 0.26 | 0.16 | 2.36 | 0.4 | 2.65 | 0.55 | 0.2 |
| Total Phytosterols | mg | 27 | 31 | n/a | 45 | 32 | 62 | 29 | 40 | 61 | 20 |

Source: USDA National Nutrient Database for Standard Reference, Release 20, 2007.

*g = gram; **mg = milligram;

†All of the nuts are unsalted; almonds, Brazil nuts, hazelnuts, peanuts, pecans, pine nuts and walnuts are unroasted; cashews, macadamias and pistachios are dry roasted.

TURKISH HAZELNUTS

It has been mentioned in historical documents that hazelnut was produced 2300 years ago in the Black Sea coast on the north of Turkey and it is known that hazelnut has been exported from Turkey to other countries for the last 6 centuries. Turkey, which is one of the few countries in the world with favourable weather conditions for hazelnut production, accounts for 75% of the global production and 70-75% of the exportation.



Hazelnut fields, widely spread in the Black Sea coasts of Turkey, have been located within 30 km from the coast towards inland. In the western Black Sea, it starts from Zonguldak (east of İstanbul) and extends to the east over the entire Black Sea like a green strip lying between the sea and the mountains almost until the Georgian boundary. 4.000.000 people are directly or indirectly related to hazelnut which has been produced on an area of 550-600 thousand hectares in Turkey, which is a fact that boosts the socio-economic importance of hazelnut. Turkey has a distinguished place among the other hazelnut producers in the world, thanks to its high quality, and maintains its leading position in production and exportation.

PRODUCTION AREAS

Hazelnut tree, which grows in 36' 41' northern latitudes and under special climate conditions, yields product within 30 km from the coast and at an altitude of maximum 750-1000 metres.

In Turkey, the regions where hazelnut is grown can be divided into two sub-regions:

- a) 1. Standard Region (eastern part of the Black Sea Region): Ordu, Giresun, Rize, Trabzon and Artvin provinces.
- b) 2. Standard Region (middle and western part of the Black Sea Region): Samsun, Sinop, Kastamonu, Bolu, Düzce, Sakarya, Zonguldak and Kocaeli provinces.



HARVEST

Turkish hazelnut generally grows ripe between the beginning and the end of August, depending on the latitude of the field. Timely harvest is done by picking up the hazelnuts with leaves that fall to ground when the branches are shaken off. Another method of harvesting is the one where the hazelnuts are picked one by one from the branches.

After being collected from the fields, hazelnuts are blended on the same day or a few days later depending on the field status and laid to make a bed of 10-15 cm thickness to be pre-dried under the sun until their leaves turn brown.

After drying, hazelnuts are separated from their leaves using harvesting machine (thresher) and laid over canopies in thin layers to be dried under the sun. Total period of drying, including the pre-drying, can be maximum 15-20 days depending on the weather conditions. Drying naturally and under the sun is an important factor that gives the Turkish hazelnut its special taste.



APPLICATIONS

Besides being consumed as snack both in Turkey and in the world, about 90% of hazelnuts are used in roasted, whitened, minced, sliced, powder and puree form as a side-ingredient in chocolate, biscuit, confectionary industry, in making sweets, pastries and ice-cream and in meals and salads.

MIXED NUTS



CHOCOLATE BAR



COOKIE



TRAIL MIX



With a background of about five thousand years, hazelnut has great benefits for humankind through many ways such as its fruit and wood. Hazelnut shell is used as a very valuable and high calorie fuel particularly in hazelnut growing areas in our country.



Furthermore, hazelnut wood is used in making baskets, walking sticks, chairs, fences and hand tools. Some types of hazelnut are grown as decorative plants in parks and gardens. Hazelnut leaves and fruit leaves are used as fertilizer. Hazelnut oil is made from the excess amount of hazelnut. Crude hazelnut oil is refined to be used in meals and hazelnut pulp is used as additive in the animal food industry.

INDUSTRY AND COMMERCE

Currently, there are 180 breaking plants with an internal capacity of 1.800.000 tons per annum and 40 processing plants with an internal capacity of 350.000 tons per annum in our country. In 1970's, 90% of our hazelnut export was in the form of hazelnuts with shell and natural hazelnut seeds but with the positive and fast developments in hazelnut processing industry, processed hazelnut exports started to account for 30% of our total exports in 2000.

In parallel to the complete fulfilment of buyers' requirements with the effective and careful quality control systems in every phase of production, particularly processed hazelnut seed exports are increasing every year.

The processed hazelnuts prepared in our country have higher quality than the processed hazelnuts prepared by many exporters-manufacturers in their own plants by purchasing natural hazelnuts.



Hazelnuts Groups : Rounded, Pointed and
Long Hazelnuts

Hazelnuts Types : Giresun, Levant, Ordu, Akçakoca,

Hazelnuts Sizes : 9-11 mm, 11-13 mm, 13-15 mm,
over 15mm and other sizes in between

Hazelnut Packages : In 50/80 kg jute bags
In 800/1000kg BIG BAGS
In 25 kg KRAFT Paper box
In 10,20,25 kg vacuumed cartons



PACKAGING

Our country exports hazelnut in the following forms of packaging depending on buyers' requests.

Natural Kernel Packing :

- generally in jute sacks of 25, 50 or 80 kg,
- in laminated bigbags of 500, 800 or 1000 kg
- in carton boxes of 10, 12.5, 20 or 25 kg (in vacuum bags, in non-vacuum polyethylene bags, directly in carton boxes)
- paper bags of 25 or 40 kg
- in vacuum or non-vacuum packaging of 25 gr, 40 gr, 80 gr, 100 gr, 200 gr, 500 gr or 1 kg directly aimed at the consumer

Blanched, Roasted, Minced, Powder Packing :

- in jute sacks with polyethylene bags of 25 or 50 kg
- in carton boxes of 10, 12.5, 20, 25 kg (in vacuum bags, in non-vacuum polyethylene bags)
- in laminated bigbags of 500, 800 or 1000 kg
- in aluminium vacuum bags
- in vacuum or non-vacuum packaging of 25 gr, 40 gr, 80 gr, 100 gr, 200 gr, 500 gr or 1 kg directly aimed at the consumer

Sliced Packing:

- in non-vacuum carton boxes with polyethylene bags of 10, 12.5, 20 or 25 kg

Puree Packing:

- in food-grade plastic drums of 30, 60, 120, 200 or 220 kg
- in lacquered metal drums of 30, 60, 200 kg
- directly or by filling tanks of 20 or 22 tons

SIX GOOD REASONS FOR CHOOSING SAMRIOGLU:

- Wide range of products; Dried Apricots, Dried Figs, Raisins and Hazelnutkernels
(Conventional and **Organics**)
- Competitive prices
- Guaranteed product quality
- Flexibility with customer needs
- Professional Customer Relations
- Financially Strong and Technically advanced
Manufacturer business partners we cooperate.

CUSTOMER SATISFACTION CHAIN (OUR WORK SYSTEM IN 7 STAGES)

1 - PRODUCT DEMAND (FROM)

NEW CUSTOMER

+ NEW CUSTOMER PROFILE
+ DETAILED PRODUCT INFO'S
(TYPE, SIZE, PACK'S, QUANTITY, SPEC'S)

CURRENT CUSTOMER

2 - ACCEPTANCE AND EVALUATION OF INQUIRY

3 - FORWARDING INQUIRY TO FACTORY *

OUR FACTORY

RAW HAZELNUTS

MANUFACTURER PARTNER FACTORY

PROCESSED HAZELNUTS, DRIED APRICOTS,
DRIED FIGS, CHESTNUTS, SULTANAS, NUTS

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4 - SETTLING PRICE AND QUOTATION

5 - NEGOTIATIONS AND AGREEMENT (SALES CONTRACT)

6- DELIVERY OF GOODS AND DOCUMENTS

7- ARRIVAL OF GOODS AND APPROVAL BY CUSTOMER

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TÜRKİYE

**INQUIRY
NOW!**

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Your Hazelnuts Supplier since 1940



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