

Khairodini

Accession Number

846

Origin

Center of Aybak in
Samangan Province

Flowering Time

Kunduz – 1st week March

Harvest Time

Kunduz- 4th week July

Growing Regions

Currently grown in
Samangan, Kunduz and
Balkh Provinces.

Market Potential

This is one of export
varieties for markets
wanting whole nuts for
direct consumption. It has
a seasonal market demand
throughout Central Asia
and Middle East Asia.

Quantitative characteristics

Nut is 40% of the shell
weight

Nut Size

Very long length, wide and
medium thickness means
overall weight of the nut is
medium.

Kernel Size

Kernel size is very long,
wide and thin. The weight
is medium.

Shell Hardiness

The shell of the nut is
medium.

Keel Development

The keel is medium.

Shell Color

The color of the shell is
very light.

Kernel Color

The color of the kernel is

Physical Size

	Kernel	Nut
Length (mm)	33.0	43.7
Width (mm)	13.7	21.5
Thickness (mm)	6.9	14.1
Weight (gm)	1.5	3.9
Count per kg	667	256

brown.



Khairodini, Clone#172

S.No.	PARAMETERS	TEST RESULTS	TEST METHOD	% Daily Value*
1	Total sugar, % by mass	4.28	IS:6287-1985 (Reaff.2005)	-
2	Carbohydrates, % by mass	19.8	By difference	7
3	Total fat, % by mass	52.27	IS: 4684-1975 (Reaff.2005)	80
4	Protein (N x 5. 18), % by mass	19.20	IS: 7219-1973 Reaff.2005)	38
5	Vitamin A, IU/100g	Not Detected (Detection Limit-1 mg/kg)	LAB_P_SOP_80 / HPLC	0
6	Vitamin C, mg/100g	Nil	IS: 5838-1970 (Reaff.2005)	0
7	Vitamin D, IU/100g	Not Detected (Detection Limit-1 mg/kg)	LAB_P_SOP_79 / HPLC	0
8	Vitamin E, IU/100g	27.27	LAB_P_SOP_80 / HPLC	91
9	Energy, kCal/100g	626.43	By Calculation	-
10	Calcium as Ca, mg/100g	207.56	IS: 13433 (P-1) – 1992	21
11	Sodium as Na, mg/100g	11.20	AOAC 966. 16, 18 th Edition	1
12	Cholesterol, mg/100g	Not Detected (Detection Limit-1 mg/kg)	AOAC 976. 26, 18 th Edition	0
13	Trans fat, % by mass	Not Detected (Detection Limit-1 mg/kg)	AOAC 966. 06, 18 th Edition	-
14	Saturated fat, % by mass	3.94	AOAC 966. 06, 18 th Edition	20
15	Polyunsaturated fat, % by mass	11.90	AOAC 966. 06, 18 th Edition	-
16	Monounsaturated fat, % by mass	36.43	AOAC 966. 06, 18 th Edition	-
17	Omega 3 Fatty Acids, % by mass	Not Detected (Detection Limit-1 mg/kg)	AOAC 966. 06, 18 th Edition	-
18	Total dietary fiber, % by mass	11.21	AOAC 985. 29, 18 th Edition	45
19	Iron as Fe, mg/100g	3.47	AOAC 999. 1, 18 th Edition	19