

Ghorbandi

Accession Number

Origin

Ghorband district of Parwan province

Flowering Time

Parwan – 2nd week March

Harvest Time

Parwan – 2nd week August

Growing Regions

Parwan, Ghazni, Zabol, Urozgan, Kundahar.

Market Potential

this is one of the known export varieties for markets wanting whole nuts for direct consumption. Larger production volume of this variety gives it more reputation in the local and international markets. It has a strong market demand throughout Central Asia and Middle East Asia.

Quantitative characteristics

Nut is 65% of the shell weight

Nut Size

Medium length, very narrow and thin means overall weight of the nut is medium.

Kernel Size

Kernel size is medium, but narrow and thin. The weight is light.

Shell Hardiness

The shell of the nut is medium soft.

Keel Development

Physical Size

	Kernel	Nut
Length (mm)	26.2	35.0
Width (mm)	10.6	13.3
Thickness (mm)	7.9	10.5
Weight (gm)	1.0	1.4
Count per kg	1,000	714

The keel is medium.

Shell Color

The color of the shell is light.

Kernel Color

The color of the kernel is light brown.



Ghorbandi

S.No.	PARAMETERS	TEST RESULTS	TEST METHOD	% Daily Value*
1	Total sugar, % by mass	3.40	IS:6287-1985 (Reaff.2005)	-
2	Carbohydrates, % by mass	21.11	By difference	7
3	Total fat, % by mass	53.92	IS: 4684-1975 (Reaff.2005)	83
4	Protein (N x 5. 18), % by mass	17.04	IS: 7219-1973 Reaff.2005)	34
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	15.20	LAB_P_SOP_80 / HPLC	51
9	Energy, kCal/100g	637.88	By Calculation	-
10	Calcium as Ca, mg/100g	437.85	IS: 13433 (P-1) – 1992	44
11	Sodium as Na, mg/100g	164.63	AOAC 966. 16, 18 th Edition	7
12**	Cholesterol, mg/100g	Not Detected (Detection Limit-2 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	3.06	AOAC 966. 06, 18 th Edition	15
15**	Polyunsaturated fat, % by mass	10.7	AOAC 966. 06, 18 th Edition	-
16**	Monounsaturated fat, % by mass	40.15	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	16.93	AOAC 985. 29, 18 th Edition	68
19**	Iron as Fe, mg/100g	37.1	AOAC 999. 1, 18 th Edition	21