

Qambari

Accession Number

143

Origin

Khulm District of Balkh Province

Flowering Time

Balkh - 4th week February

Harvest Time

Balkh – 3rd week of July

Growing Regions

Currently grown in Balkh, Samangan and Kunduz Provinces.

Market Potential

The unique taste of this product and soft shell gives this product high value, although Qambari is not yet introduced at the international markets, but it has attracted consumers in the local market and people wants whole kernels for direct consumption. Bitters do not occur with this variety.

Quantitative characteristics

Nut is 72% of the shell weight

Nut Size

Short length, narrow and very thin means overall weight of the nut is very light.

Kernel Size

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

Shell Hardiness

The shell of the nut is very soft.

Keel Development

The keel is strong.

Shell Color

Physical Size

	Kernel	Nut
Length (mm)	21.2	29.0
Width (mm)	10.4	15.4
Thickness (mm)	7.9	10.0
Weight (gm)	0.9	1.2
Count per kg	1,111	833

The color of the shell is light.

Kernel Color

The color of the kernel is light brown.



Qambari, Clone#1009

S.No.	PARAMETERS	TEST RESULTS	TEST METHOD	% Daily Value*
1	Total sugar, % by mass	3.67	IS:6287-1985 (Reaff.2005)	-
2	Carbohydrates, % by mass	19.26	By difference	6
3	Total fat, % by mass	50.77	IS: 4684-1975 (Reaff.2005)	78
4	Protein (N x 5. 18), % by mass	22.16	IS: 7219-1973 Reaff.2005)	44
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	28.61	LAB_P_SOP_80 / HPLC	95
9	Energy, kCal/100g	622.61	By Calculation	-
10	Calcium as Ca, mg/100g	233.54	IS: 13433 (P-1) – 1992	23
11	Sodium as Na, mg/100g	16.21	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	3.96	AOAC 966. 06, 18 th Edition	19.8
15	Polyunsaturated fat, % by mass	11.89	AOAC 966. 06, 18 th Edition	-
16	Monounsaturated fat, % by mass	34.91	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	11.73	AOAC 985. 29, 18 th Edition	47
19	Iron as Fe, mg/100g	4.02	AOAC 999. 1, 18 th Edition	22