



Shree Salasar Balaji Enterprise

(A Government Of India Recognized STAR Export House)

PRODUCT SPECIFICATION

Flaking Grits		Type – Maize Broken -1mmt-2mm		
Product		MAIZE BROKEN -1MM -2MM		
Ingredients		100 % grains of Non-GMO dent corn		
Sensory evaluation				
Appearance		Yellow granular, free flowing		
Odour		Characteristics of corn, free from rancid smell		
Taste		Characteristics of corn		
Physical and chemical characteristics		SSBE stand.	Methods	Result achieved
Moisture		13.5 % max.	IS 1442:1997	11.20 %
Black specs		12 per 10 sq. inch	Visual checking	5
Ash *		0.5 % max.	IS 8769(1978)	0.36 %
Acid insoluble ash *		0.05 % max.	DGHS 2005: man 4/ IS	0.04%
Protein *		7-10 %	AOAC 2001.11	7.20 %
Fat		1% max.	IS 1224-2(1977)	0.72 %
Crude fiber *		1 % max.	AOAC 1985.29	0.52 %
Starch*		75% max.	AOAC 2001.11	67.3%
Toxins				
Total Aflatoxin (B1+B2+G1+G2) *		10 µg /kg max.	AOAC 19 Ed. 2005.08	B.L.Q
Ochratoxin A *		10µg /kg max.	AOAC 2000.03	B.L.Q
Microbiological parameters				
Total plate count *		10000 cfu/gm max.	IS 5402-2012	520cfu/gm
Coliform *		100 cfu/gm max.	IS 5401 Part 1-2002	<10 cfu/gm
E. coli *		Absent	IS 5887 part 1-1976	Absent
Salmonella *		Absent	IS 5887 part 3-1999	Absent
Heavy metals				
Lead *		2.5 mg/kg max.	MC/SOP/INS/21	B.L.Q
Arsenic *		1.1 mg/kg max.	MC/SOP/INS/21	B.L.Q
Cadmium*		1.5 mg/kg max.	MC/SOP/INS/21	B.L.Q
Granulation (ASTM)			Min %	Max %
On # 10		2000µ	20	40
On # 12		1700 µ	25	45
On # 14		1400 µ	10	30
On # 16		1200 µ	5	25
Thr. # 16		Pan	0	2
		Analyzed on lab sieve shaker with sieving stands. ASTM- BS-IS certified SS sieves		
Shelf life		12 months from date of manufacturing		
Storage conditions		Preserved at ambient temperature/relative humidity during storage. To be kept on pallet away from wall. Protect from dampness, direct sun light, rodents.		

B.L.Q.= Below limit of quantification- for Ochratoxin A- 0.5 µg /kg, lead and arsenic- 0.1 mg/kg, cadmium- 0.05 mg/kg

* Parameters analyzed in external NABL accredited lab.

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