



Shree Salasar Balaji Enterprise

(A Government Of India Recognized STAR Export House)

Page 3 of 3

PRODUCT SPECIFICATION

Flaking Grits		Type – Maize Broken -4mm -5mm			
Product		MAIZE BROKEN -4MM -5MM			
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	10.52 %	
Black specs		12 per 10 sq. inch	Visual checking	5	
Ash *		0.5 % max.	IS 8769(1978)	0.42 %	
Acid insoluble ash *		0.05 % max.	DGHS 2005: man 4/ IS	0.03%	
Protein *		7-10 %	AOAC 2001.11	7.50 %	
Fat		1% max.	IS 1224-2(1977)	0.62 %	
Crude fiber *		1 % max.	AOAC 1985.29	0.42 %	
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 %	Avg. achieved %
On # 3		5600µ	0	5	2.5%
On # 4		4700µ	10	30	25.9%
On # 5		4000 µ	30	70	54.9 %
On # 6		3300 µ	10	20	15.9%
Thr. # 6		Pan	0	5	0.9%
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