



Shree Salasar Balaji Enterprise

(A Government Of India Recognized STAR Export House)

PRODUCT SPECIFICATION

Corn Grits		Type – Corn Grits –101		
Product	CORN GRITS 101			
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		12.32 %
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		8.50 %
Fat	1% max.	IS 1224-2(1977)		0.72 %
Crude fiber *	1 % max.	AOAC 1985.29		0.65 %
Starch*	75% max.	AOAC 2001.11		68.3%
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		250cfu/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 # 14	1400µ	0	5	2.5%
On # 18	1000 µ	30	50	37.2 %
On # 20	850 µ	35	55	40.1 %
On # 35	500 µ	10	35	16.9%
On # 45	355 µ	0	5	2.4%
Thr. # 45	Pan	0	2	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

* Parameters analyzed in external NABL accredited lab.