

PRODUCT TEST DETAILS		
Test Code : WHOLE-WHEAT-ATTA-FSSAI-5594	Product Name : Whole wheat atta	Test Standard Name : FSSAI Act-2006
Wef :	Upto :	Created At: 2017-10-10 12:09:36

PRODUCT TEST PARAMETERS						
S.No.	Test Parameter	Equipment	Method	Std Value From	Std Value To	Time Taken
1.	Description					
a.	Description	The material is in the form of dried mature grains of wheat,sweet,clean and wholesome,also free from extraneous matter.				
2.	Chemical Parameters					
a.		GC-FID(Agilent)	[SOP/ITC/FD/020]	-	-	1 Days
3.	Microbiological Tests					
a.	Standard Plate count,cfu/gm	Microbiological	IS 5402:2012	N/A	125	6 Days 0 Minutes
b.	Yeast & Mould count,cfu/gm	Microbiological	IS 5403-1999	N/A	Max. 50	6 Days 0 Minutes
c.	E.coli/gm	Microbiological	IS 5887(P-1):1976	N/A	ABSENT	6 Days 0 Minutes
d.	Salmonella/25gm	Microbiological	IS 5887(P-3):1999	N/A	ABSENT	6 Days 0 Minutes
4.	Heavy Metals					
a.	Lead (as Pb), (ppm)	AAS	STP/IT/FD/11-30	N/A	MAX. 2.5	4 Days 0 Minutes
b.	Arsenic (as As) (ppm)	AAS	STP/IT/FD/11-30	N/A	MAX. 1.1	4 Days 0 Minutes
c.	Tin (as Sn) (ppm)	AAS	STP/IT/FD/11-30	N/A	MAX. 250	4 Days 0 Minutes
d.	Zinc (gm)	AAS	STP/IT/FD/11-30	N/A	MAX. 50.0	4 Days 0 Minutes
e.	Cadmium (as Cd) (ppm)	AAS	STP/IT/FD/11-30	N/A	MAX. 1.5	4 Days 0 Minutes
f.	Mercury (as Hg) (ppm)	AAS	STP/IT/FD/11-30	N/A	MAX. 1.0	4 Days 0 Minutes
g.	Copper (gm)	AAS	STP/IT/FD/11-30	N/A	MAX. 30.0	4 Days 0 Minutes
h.	Methyl Mercury	GC-FID(Nucon)	SOP/ITC/FD/11-31	N/A	Max. 0.25	3 Days 0 Minutes
5.	Mycotoxins					
a.	Ochrotoxin A(mg/kg)	HPLC	STP/ITC/FD/MT-01	N/A	Max 15.0	5 Days 0 Minutes
6.	Other Contaminants					
a.	Aflatoxin (B1, B2 & G2, G2)	HPLC	STP/ITC/FD/MT-01	N/A	Max 15.0	1 Days 0 Minutes
7.	Pesticide Residue (mg/Kg)/(ppm)					
a.	Chlorpyrifos	GCMSMS	AOAC-970.52/ITC/FD/11-39	N/A	Max. 0.01	5 Days 0 Minutes
b.	Dichlorvos	GCMSMS	AOAC-970.52/ITC/FD/11-39	N/A	Max. 0.25	5 Days 0 Minutes
c.	Melathion (combined residue of malathion...	GCMSMS	AOAC-970.52/ITC/FD/11-39	N/A	Max. 1.0	5 Days 0 Minutes

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d.	Decamethrin / Deltamethrin	GCMSMS	AOAC-970.52/ITC/FD/11-39	N/A	Max 0.20	5 Days 0 Minutes
e.	Carbaryl	GCMSMS	AOAC-970.52/ITC/FD/11-39	N/A	N/A	5 Days 0 Minutes
f.	Permethrin	GCMSMS	AOAC-970.52/ITC/FD/11-39	N/A	N/A	5 Days 0 Minutes
g.	Imidacloprid	GCMSMS	AOAC-970.52/ITC/FD/11-39	N/A	N/A	5 Days 0 Minutes
h.	Methomyl	GCMSMS	AOAC-970.52/ITC/FD/11-39	N/A	N/A	5 Days 0 Minutes
i.	Chlormequatchloride	GCMSMS	AOAC-970.52/ITC/FD/11-39	N/A	N/A	5 Days 0 Minutes
j.	Piperonyl butoxide	GCMSMS	AOAC-970.52/ITC/FD/11-39	N/A	N/A	5 Days 0 Minutes
k.	Sulfuryl Fluoride	GCMSMS	AOAC-970.52/ITC/FD/11-39	N/A	N/A	5 Days 0 Minutes
l.	Bioresmethrin	GCMSMS	AOAC-970.52/ITC/FD/11-39	N/A	N/A	5 Days 0 Minutes
m.	Diquat	GCMSMS	AOAC-970.52/ITC/FD/11-39	N/A	N/A	5 Days 0 Minutes
8.	Naturally Occuring Toxic Substances (mg/Kg)					
a.	Agaric Acid (ppm)	HPLC	In house method	N/A	MAX. 100 ?g/Kg	5 Days 0 Minutes
b.	Hydrocyanic Acid (ppm)	Chemically	In house method	N/A	MAX. 5.0 ?g/Kg	5 Days 0 Minutes
c.	Hypericine (ppm)	HPLC	In house method	N/A	MAX. 1.0 ?g/Kg	1 Days 0 Minutes
d.	Saffrole (ppm)	HPLC	In house method	N/A	MAX. 10.0 ?g/Kg	5 Days 0 Minutes
9.	Essential Enzyme					
a.	Papain(mg)	Cmbinstrument	Test method 1	-	-	
10.	Omega-3 fatty acid					
a.	DHA (mg)	GC-FID(Agilent)	[SOP/ITC/FD/020]	-	-	1 Days
11.	Class II Preservative					
a.	Sorbic acid and its potassium, sodium sa...	Cmbinstrument	Test method 1	-	-	
12.	Identification					
a.	Methylcobalamin (mcg)	Microbiological	[IS 5887(P-1):1976 RA 2013	-	-	
13.	13C Isotope Analysis (EA-IRMS) (C4 Sugar in Honey)					
a.	Difference (P-H)(%)	Chemically	(IS:4783-1982/Appendix A)	-	-	1 Days

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14.	Food Additives					
a.	Acesulfame Potassium, mg/Kg	HPLC	STP/ITC/FD/MT-01	-	-	
15.	Sudan					
a.	Sudan dye I	Chemically	AOAC 933.05 /Gravimetric method	-	-	1 Days
16.	Food Colours & Dyes					
a.	Rhodamine B (ppm)	LCMSMS	[SOP/ITC/FD/01]	-	-	