

**REGIONAL ANALYTICAL LABORATORY, ERNAKULAM**

**DETAILS OF UNSAFE SAMPLES FOR THE MONTH OF March 2022**

Sl. No	Name of product	Brand Name	Batch No.	Test Conducted	Contaminant Present	Result	Prescribed limit	Percentage Increase
1	Dried ivy gourd	No label	Nil	Visual FSSAI Manual IS 5403:1999	Mould growth stalks, peels, stems and extraneous matter Yeast and mould	Present 2.57% by wt 1200000 cfu/g	shall be absent shall be absent 10000 cfu/g	--- -- 11900
2	Mixture	Altom's MIXTURE	ME.02.2022	In house developed, validated method	Tartrazine present	Tartrazine present	shall be absent	...
3	Mixture	3STAR IVER SPECIAL	Absent	In house developed, validated method	Synthetic colour, Tartrazine present	synthetic colour, Tartrazine present	shall be absent	---
4	Cassia	No label	Absent	AOAC 21st Edition Ch.10.1	Pesticide Permethrin present	0.03 mg/kg	0.01 mg/kg	200
5	Cassia	No label	Absent	AOAC 21st Edition Ch.10.1	Pesticide Chlorpyrifos present	0.02 mg/kg	0.01 mg/kg	100
6	Chilly whole	No label	Absent	AOAC 21st Edition Ch.10.1	Pesticide Chlorpyrifos and Ethion exceeds the limit	Chlorpyrifos 0.32 mg/kg Ethion 0.97 mg/kg	0.01 mg/kg 0.01 mg/kg	3100 9600
7	Chilly Powder	Devon Chilli Powder	CL 12/21	AOAC 21st Edition Ch.10.1	Pesticide Bifenthrin and Ethion exceeds the limit	Bifenthrin 0.12 mg/kg Ethion 0.31 mg/kg	0.01 mg/kg 0.01 mg/kg	1100 3000
8	Mixture	Bombay mix	A011	In house developed, validated method	Synthetic colour, Tartrazine present	Synthetic colour, Tartrazine present	Shall be absent	--
9	Chilly whole	No label	----	AOAC 21st Edition Ch.10.1	Pesticide Bifenthrin and Ethion exceeds the limit	Bifenthrin 0.03 mg/kg Ethion 0.02 mg/kg	0.01 mg/kg 0.01 mg/kg	200 100
10	Banana x chips	No label	Absent	In house developed, validated method	Synthetic colour, Tartrazine present	Synthetic colour, Tartrazine present	Shall be absent	---
11	Tea	No label	Absent	In house developed, validated method	Synthetic colours Tartrazine, Carmoisine and sunset yellow FCF present	Synthetic colours Tartrazine, Carmoisine and sunset yellow FCF present	Shall be absent	--
12	Chilly Whole	No label	Absent	AOAC 21st Edition Ch.10.1	insecticide Chlorpyrifos exceeds the limit	Chlopyrifos- 0.22 mg/kg	0.01 mg/kg	2100

13	Cassia whole	No label	Absent	AOAC 21st Edition Ch.10.1	insecticide Chlorpyrifos exceeds the limit	Chlorpyrifos-0.03 mg/kg	0.01 mg/kg	200
14	Mixture	No label	Absent	In house developed, validated method	Synthetic colour, Tartrazine present	Synthetic colour, Tartrazine present	Tartrazine not permitted	---
15	Cardamom whole	No label	Absent	In house developed, validated method AOAC 21st Edition Ch.10.1	Synthetic colour, Brilliant blue FCF, Tartrazine present Insecticide residues Quilalphos, Ethion Chorpyrifos Bifenthrin exceeds the limit	Synthetic colour, Brilliant blue FCF, Tartrazine present Ethion - 0.13 mg/kg Quilalphos- 0.13 mg/kg Chorpyrifos - 0.13 mg/kg Bifenthrin- 0.11 mg/kg	Colour not permitted 0.01 mg/kg 0.01 mg/kg 0.01 mg/kg 0.01 mg/kg	1200 1200 1200 1000
16	Raw meat	No label	Absent	In house developed, validated method	Synthetic colour, Sunset yellow FCF present	Synthetic colour, Sunset yellow FCF present	synthetic colour not permitted	---
17	Chilly Whole	No label	Absent	AOAC 21st Edition Ch.10.1	insecticide Chlorpyrifos exceeds the limit	Chlorpyrifos- 0.08 mg/kg	0.01 mg/kg	700
18	Chilly Powder	No label	Absent	AOAC 21st Edition Ch.10.1	insecticide Chlorpyrifos and Ethion exceeds the limit	Chlorpyrifos- 0.02 mg/kg Ethion - 0.02 mg/kg	0.01 mg/kg 0.01 mg/kg	100 100
19	Chilly Powder	No label	Absent	AOAC 21st Edition Ch.10.1	insecticide Chlorpyrifos and Ethion exceeds the limit	Chlorpyrifos- 0.02 mg/kg Ethion - 0.02 mg/kg	0.01 mg/kg 0.01 mg/kg	100 100
19	Laddu	No label	Absent	In house developed, validated method	Synthetic colour, Tartrazine concentration exceeds the limit	126.01 mg/kg	100 mg/kg	26.01
20	Chilly Powder	RAJ PRODUCTS മുളക് പൊടി	C4	AOAC 21st Edition Ch.10.1	Insecticide residues Ethion Chorpyrifos Bifenthrin exceeds the limit	Ethion - 0.13 mg/kg Chorpyrifos- 0.53mg/kg Bifenthrin - 0.05mg/kg	0.01 mg/kg 0.01 mg/kg 0.01 mg/kg	1200 5200 400
21	Chilly Powder	KITCHEN TREASURES Chilli Powder	A222507A1	AOAC 21st Edition Ch.10.1	Insecticide residues Ethion, Chorpyrifos, Bifenthrin, and Permethrin exceeds the limit	Ethion - 0.39 mg/kg Chorpyrifos- 0.02 mg/kg Bifenthrin - 0.06 mg/kg Permethrin- 0.05 mg/kg	0.01 mg/kg 0.01 mg/kg 0.01 mg/kg 0.01 mg/kg	3800 100 500 400

22	Coriander whole	No label	Absent	AOAC 21st Edition Ch.10.1	Insecticide residues Ethion, Chorpyriphos, exceeds the limit	Ethion - 0.02 mg/kg Chorpyriphos - 0.03 mg/kg	0.01 mg/kg 0.01 mg/kg	10 20
23	Chilly Powder	Eastern Chilly Powder	MA20024	AOAC 21st Edition Ch.10.1	Insecticide residues Ethion, Chorpyriphos, Bifenthrin, exceeds the limit	Ethion - 0.72 mg/kg Chorpyriphos - 0.06 mg/kg Bifenthrin - 0.08 mg/kg	0.01 mg/kg 0.01 mg/kg 0.01 mg/kg	71 50 70
24	Gingelly oil	Thangam Gingelly oil	A/01/2022	FSSAI Manual	Mineral oil present	Mineral oil present	Not permitted	-
25	Coriander Powder	Eastern Coriander Powder	MA20064	AOAC 21st Edition Ch.10.1	Insecticide residue Chorpyriphos exceeds the limit	Chorpyriphos 0.12 mg/kg	0.01 mg/kg	11
26	Chilly Powder	KITCHEN TREASURES Chilli Powder	A222729A1	AOAC 21st Edition Ch.10.1	Insecticide residues Ethion, Chorpyriphos, Bifenthrin, and Permethrin exceeds the limit	Ethion - 0.50 mg/kg Chorpyriphos - 0.04mg/kg Bifenthrin - 0.09 mg/kg Permethrin - 0.02 mg/kg	0.01 mg/kg 0.01 mg/kg 0.01 mg/kg 0.01 mg/kg	49 30 8 1
27	Chilly Masala	MASALA	JJUNKKL	AOAC 21st Edition Ch.10.1	Insecticide residue Ethion, Bifenthrin, exceeds the limit	Ethion - 0.09 mg/kg Bifenthrin - 0.02 mg/kg Chlorpyriphos-0.03mg/kg	0.01 mg/kg 0.01 mg/kg 0.01 mg/kg	8 2 2
28	Jaggery	No label	----	In house developed, validated method AOAC 21st Edition,	Synthetic food colour present	Tartrazine present	Colour not permitted	-
29	Chilly powder	RED2 Green FOODS	-----	Ch.10.1	Insecticide residues Ethion, Chorpyriphos, and Fenpropathrin exceeds the limit	Ethion 0.05 mg/kg Chlorpyriphos - 1.40 mg/kg Fenpropathrin - 0.77mg/kg	0.01 mg/kg 0.01 mg/kg 0.01 mg/kg	4 13 70
30	Chilly powder	Karthika CHILLY POWDER	B140322	AOAC 21st Edition, Ch.10.1	Insecticide residues Ethion, Chorpyriphos, and Bifenthrin exceeds the limit	Ethion - 0.40 mg/kg Chorpyriphos - 0.07 mg/kg Bifenthrin - 0.22 mg/kg	0.01 mg/kg 0.01 mg/kg 0.01 mg/kg	30 6 2

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31	Namkeen	NAMKEEN	B280222	In house developed, validated method	Synthetic food colour present	Tartrazine present	Tartrazine not permitted	---	
32	Chilly powder	No Label	Absent	AOAC 21st Edition, Ch.10.1	Insecticide residues Ethion, Chorpyriphos, and Bifenthrin exceeds the limit	Ethion - 1.39 mg/kg Chorpyriphos- 0.02 mg/kg Bifenthrin - 0.07 mg/kg	0.01 mg/kg 0.01 mg/kg 0.01 mg/kg	13800 100 600	
33	Mixture	Rail Caters brand Masala Mixture	006	In house developed, validated method	Synthetic food colour present	Tartrazine present	Tartrazine not permitted	---	

ERNAKULAM  
05.03.2022



*[Signature]*  
FOOD ANALYST