

Quality Evaluation Laboratory, Spices Board, Guntur.

Details of the Analysis on various parameters showing the analytical charges, minimum quantity and number of days required for completion of analysis.

SI No.	Name of Analysis	Min. Qty. Reqd. in Gm	¹ Charges Rs.	¹⁰ No of Days Required
PHYSICO-CHEMICAL ANALYSIS				
1	Acid insoluble ash	250	450	3
2	Aflatoxin(B1,B2,G1,G2) [HPLC -METHOD]	250@	2700	3
3	Alcohol soluble extract	250	300	3
4	Bulk density / Litre weight of spices	1000	300	1
5	Capsaicin - HPLC method (%/SHU)	100@	1800	4
6	Cold water soluble extract	100	350	4
7	Colour value (ASTA METHOD)	100@	500	3
8	Common salt	100	450	3
9	Crocine	10	1000	2
10	Curcumin (ASTA METHOD)	100@	600	3
11	Excreta, mamalian	500/250	350	1
12	Excreta, others	500/250	350	1
13	Extraneous / foreign matter	500 / 250	350	1
14	Insect defiled / infested	500 / 250	350	1
15	Light berries	250	350	1
16	Moisture (ASTA METHOD)	250	450	2
17	Mould (Physical)	250	350	1
18	Non - volatile ether extract	100	550	6
19	Ochratoxin A [HPLC-METHOD]	250@	3000	5
20	Oleoresin (EDC extractables)	100	500	5
21	Orange II	100	2000	2
22	Other Seeds	100	350	1
23	Other Seeds in Cumin	100	350	1
24	Organochlorine Pesticide Residue - Dicofol	200@	1800	6
25	Organochlorine Pesticides Residues (Isomers of BHC, Endosulfan and DDT; Heptachlor, Aldrin, Dieldrin, Endrin and Endrin aldehyde)	200@	3000	6
26	Organophosphorous Pesticides Residues - (I) (Chlorpyrifos, Dimethoate, Disulfoton, Ethion, Methyl Parathion, Phorate, Parathion and Quinalphos)	200@	3000	6
27	Organophosphorus Pesticides Residues (II) (Methyl Pirimiphos , Phosalone, Monocrotophos)	200@	3000	6
28	Pesticide residue - Malathion	100	1800	6
29	Pesticide residue - Parathion	100	1800	6
30	Pesticide residue - Phorate	100	1800	6
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31	*Pesticide Residues-III (Iprobenphos, Triazophos and Profenphos)	200@	3000	6
32	*Pesticide Residues-IV (Ethion, Iprobenphos, Triazophos and Profenphos)	200	4800	6
33	*Pesticide Residues-V (Profenphos, Bifenthrin, Triazophos, Diethion and Endosulfan)	500	6000	6
34	*Pesticide Residues-VI (Ethion, Iprobenphos, Triazophos, Profenphos, Phorate, Parathion, Chlorpyrifos, Methyl Parathion)	300	7000	6
35	Pesticide residues. single compound (any of the above)	200@	1800	6
36	Picrocrocine	10	1000	2
37	Piperine (ASTA METHOD)	100@	1000	3
38	Safranal	10	850	2
39	Sudan - Dye (I,II,III & IV (HPLC METHOD))**	100	2400	2
40	Sudan - Dye (I,II,III & IV (LC-MS/MS METHOD))	100	3000	2
41	Sunset Yellow FCF in Sugar Coated Fennel	100	1800	4
42	Synthetic Dyes II (Sudan Red 7b, Sudan Orange G, Para Red, Rhodamine B and Butter Yellow (LC-MS/MS METHOD))	100	3000	2
43	Synthetic Dyes II - Single compound (any of the above)	100	1800	2
44	Total ash	100	450	3
45	Volatile oil	200@	450	3
46	Water soluble ash	100	550	4
47	Whole insects, dead (by count)	250	350	1
MICROBIOLOGICAL ANALYSIS				
48	Aerobic Spore Count	100	600	4
49	Bacillus cereus (FDA BAM)	100	1000	5
50	Bacillus cereus (TEMPO Method)	100	1200	2
51	Coliforms (FDA BAM)	100	550	5
52	Coliforms (TEMPO Method)	100	900	2
53	Enterobacteriaceae	100	600	5
54	Enterobacteriaceae (TEMPO Method)	100	1000	2
55	E. coli (FDA BAM)	100	900	8
56	E. coli (TEMPO Method)	100	900	3
57	Mould (Microbiological)	100	500	6
58	Salmonella (FDA BAM)	375	1700	8
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59	Salmonella (AOAC OMA)	375	1700	3
60	Total plate count (FDA BAM)	100	600	3
61	Staphylococcus aureus	100	900	5
62	Staphylococcus aureus (TEMPO Method)	100	1000	2
63	Thermostable Bacteria	100	600	3
64	Total viable count (TEMPO Method)	100	900	2
65	Yeast (Microbiological)	100	500	6
66	Yeast and Mould (Microbiological)	100	500	6
67	Yeast and Mould (TEMPO Method)	100	1200	3

Note:-

1. Analytical Charges revised with effect from 01-08-2017.
Service tax @18% (or as applicable) will be charged extra as per Government norms.
2. > Depends on the number of parameters for individual spices and number of samples.
3. * Charges based on the parameter specified for each spice.
4. **Turmeric is analysed for Sudan I-IV by HPLC Method unless otherwise specified.
5. ***In the case of analysis for ASTA / USFDA parameters, sample size should be a minimum of 500 g for heavier items like pepper, ginger, turmeric etc. and 250 g sample for low density items like chilli and seed spices.
6. # Quantity for light filth analysis for Tamarind concentrate by AOAC method should be a minimum of 600g.
7. ##Analytical charges Rs. 500/- per element
8. @ In the case of analysis of oleoresin samples of spices for the above parameters a minimum of 50 g sample size is required and in case of coriander and herbs a sample size of 300 g is required.
9. The days required for the analysis will increase depending on the inflow of samples for analysis.

The samples may be sent to the Scientist B, Quality Evaluation Laboratory, Spices Board, Chuttugunta Centre, G. T. Road, Guntur, Andhra Pradesh -522004, along with analytical charges in the form of DD/ Cheque in favour of **Spices Board**.

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