

Quality Evaluation Laboratory, Spices Board, Tuticorin.				
Details of the Analysis on various parameters showing the analytical charges, minimum quantity and number of days required for completion of analysis.				
Sl No.	Name of Analysis	Min. Qty. Reqd. in Gm	Charges Rs.	No of Days Required
PHYSICO-CHEMICAL ANALYSIS				
1	Acid insoluble ash	250	450	3
2	Alcohol soluble extract	250	300	3
3	Bulk density / Litre weight of spices	1000	300	1
4	Capsaicin - HPLC method (%/SHU)	100	1800	4
5	Chromate test (Qualitative)	100	350	2
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	Gingerols and Shogaols	100	2400	3
15	Insect defiled / infested	500 / 250	350	1
16	Light berries	250	350	1
17	Moisture (ASTA METHOD)	250	450	2
18	Mould (physical)	250	350	1
19	Non - volatile ether extract	100	550	6
20	Oleoresin (EDC extractables)	100	500	5
21	Other Seeds	100	350	1
22	Other Seeds in Cumin	100	350	1
23	Picrocrocine	10	1000	2
Authorized By Soumya K V				
Page No 1 of 4				
Issue No. 2				
Issue Date 24-07-2017				

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24	Piperine (ASTA METHOD)	100	1000	3
25	Safranal	10	850	2
26	Total ash	100	450	3
27	Volatile oil	200	450	3
28	Water soluble ash	100	550	4
29	Whole insects,dead (by count)	250	350	1
RESIDUAL ANALYSIS				
30	Aflatoxin(B1,B2,G1,G2) [HPLC -METHOD]	250	2700	3
31	Heavy metals (Cd, Cr, Cu, Fe, Mg, Mo, Pb & Zn)	100	500##	5
32	Heavy Metal : Arsenic	100	500	4
33	Heavy Metal : Mercury	100	500	4
34	Ochratoxin A [HPLC-METHOD]	250	3000	3
35	Orange II	100	2000	2
36	Sudan - Dye (I,II,III & IV (HPLC METHOD))**	100	2400	2
37	Sudan - Dye (I,II,III & IV (LC-MS/MS METHOD)	100	3000	2
38	Synthetic Dyes II (Sudan Red 7b,Sudan Orange G, Para Red, Rhodamine B and Butter Yellow(LC-MS/MS METHOD)	100	3000	2
39	Synthetic Dyes II - Single compound (any of the above)	100	1800	2
Authorized By Soumya K V	Page No 2 of 4	Issue No. 2	Issue Date 24-07-2016	

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MICROBIOLOGICAL ANALYSIS				
40	Aerobic Plate Count	100	600	3
41	Aerobic Spore Count	100	600	4
42	Bacillus cereus	100	1000	5
43	* Bacillus cereus (TEMPO Method)	100	1200	2
44	Clostridium perfringens	100	2500	5
45	Coliforms	100	550	5
46	* Coliforms (TEMPO Method)	100	900	2
47	Enterobacteriaceae	100	600	5
48	*Enterobacteriaceae(TEMPO Method)	100	1000	2
49	E.coli	100	900	8
50	* E.coli(TEMPO Method)	100	900	2
51	Mould	100	500	6
52	Salmonella (FDA BAM)	375	1700	8
53	Salmonella(AOAC OMA Method)	375	1700	3
54	Staphylococcus aureus	100	900	5
55	* Staphylococcus aureus(TEMPO Method)	100	1000	2
56	Thermostable Bacteria	100	600	3
57	* Total Viable Count(TEMPO Method)	100	900	2
58	Yeast	100	500	6
59	Yeast and Mould	100	500	6
60	* Yeast and Mould (TEMPO Method)	100	1200	3
Authorized By Soumya K V	Page No 3 of 4	Issue No. 2	Issue Date 24-07-2017	

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Note:-

1. * Form no 75 Revised as on 11/07/2017 with addition of the parameter test by TEMPO Method under Microbiology. Analytical Charges revised with effect from 01-08-2017. Service tax @18.0% will be charged extra as per Government norms.
2. * Charges based on the parameter specified for each spice.
3. **Turmeric is analyzed for Sudan I-IV by HPLC Method unless otherwise specified.
4. ##Analytical charges Rs. 500/- per element.
5. @ 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.
6. 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, Regional Centre, Spices Board, World Trade Avenue, VOC New Port, Tuticorin – 628 004, along with analytical charges in the form of D.D. drawn in favour of Secretary, Spices Board, Kochi-25.

Authorized By Soumya K V	Page No 4 of 4	Issue No. 2	Issue Date 24-07-2017
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