

Quality Evaluation Laboratory, Spices Board, Tuticorin.				
Details of the Analysis on various parameters showing the analytical charges, minimum quantity of sample required for analysis 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	Cold water soluble extract	100	350	4
6	Colour value (ASTA METHOD)	100	500	3
7	Curcumin (ASTA METHOD)	100	600	3
8	Extraneous / foreign matter	500 / 250	385	1
9	Insect defiled / infested	500 / 250	350	1
10	Light berries	250	350	1
11	Moisture (ASTA METHOD)	250	450	2
12	Mould (physical)	250	350	1
13	Other Seeds	100	385	1
14	Other Seeds in Cumin	100	385	1
15	Piperine (ASTA METHOD)	100	1000	3
16	Total ash	100	450	3
17	Volatile oil	200	450	3
18	Water soluble ash	100	550	4
19	Whole insects, dead (by count)	250	350	1
RESIDUAL ANALYSIS				
20	Aflatoxin(B1,B2,G1,G2) [HPLC -METHOD]	250	2970	3
21	Heavy metals (Cd, Cr, Cu, Fe, Mg, Mo, Pb & Zn)	100	500##	5
22	Ochratoxin A [HPLC-METHOD]	250	3000	3

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SI No.	Name of Analysis	Min. Qty. Reqd. in Gm	Charges Rs.	No of Days Required
23	Sudan - Dye (I,II,III & IV (LC-MS/MS METHOD)	100	3300	2
24	Synthetic Dyes II (Sudan Red 7b, Sudan Orange G, Para Red, Rhodamine B and Butter Yellow (LC-MS/MS METHOD)	100	3000	2
25	Synthetic Dyes II - Single compound (any of the above)	100	1800	2
MICROBIOLOGICAL ANALYSIS				
26	Aerobic Plate Count	100	600	3
27	Coliforms	100	550	5
28	* Coliforms (TEMPO Method)	100	900	2
29	E.coli	100	900	8
30	* E.coli (TEMPO Method)	100	900	2
31	Mould	100	500	6
32	Salmonella (FDA BAM)	375	1700	8
33	Salmonella (AOAC OMA Method)	375	1870	3
34	* Total Viable Count (TEMPO Method)	100	900	2
35	Yeast	100	500	6
36	Yeast and Mould	100	500	6
37	* Yeast and Mould (TEMPO Method)	100	1200	3

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 05-04-2018. Service tax @18.0% will be charged extra as per Government norms.
2. * Charges based on the parameter specified for each spice.
3. ##Analytical charges Rs. 500/- per element.
4. The days required for the analysis will increase depending on the inflow of samples for analysis.

The samples may be sent to SRD, Spices Board, Regional Office and QEL, World Trade Avenue, Harbour Estate, VOC New Port, Tuticorin – 628 004, along with analytical charges preferably in the form of NEFT to Sudan Account, A/c No : 7176002100002345, Punjab National Bank, Branch: Vennala, Ernakulam, IFSC: PUNB0717600; (Or) Demand Draft/Cheque drawn in favour of Spices Board, Kochi-25.

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