

गुणवत्ता मूल्यांकन प्रयोगशाला

स्पाइसेस बोर्ड

(वाणिज्य एवं उद्योग मंत्रालय, भारत सरकार)

सुगंध भवन, एन.एच. ब्यापास

पी.बी.नं. 2277, पालारिवट्टम पी.ओ.

कोचिन-682 025, भारत



QUALITY EVALUATION LABORATORY

SPICES BOARD

(Ministry of Commerce and Industry, Govt. of India)

Sugandha Bhavan, N.H. By-pass

P.B. No. 2277, Palarivattom P.O.

COCHIN - 682 025, INDIA

CIRCULAR

No.QEL/01/2017

11th July 2017

Sub: Revised Analytical charges-reg

In consequence of the escalation of prices for chemicals, glasswares and equipments etc, we are forced to increase the existing analytical charges, as the analytical charges are not revised since 2014. The present charges hike is nominal and at a subsidised rate. The revised analytical charges and the details of analytical service is enclosed. The new Analytical Charges will be effective from 01/08/2017.

We sincerely appreciate the continuous support and always assure our best attention and prompt analytical service from Spices Board.

K. R. K. Menon

K R K Menon
Scientist-D & Head

To

Exporters



ISO 9001-2008
FS 37812



ISO 14001 : 2004
EMS 52774



ISO/IEC 17025
T-0729 - Chemical Testing
T-0730 - Biological Testing

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Quality Evaluation Laboratory, Spices Board, Cochin.

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	Agmark specifications	500	*	>
2	ASTA specifications	500 / 250X 10 Nos ***	*	1
3	Acid insoluble ash	250	450	3
4	Added Starch	100	350	2
5	Alcohol soluble extract	250	300	3
6	Bulk density / Litre weight of spices	1000	300	1
7	Capsaicin - HPLC method (%/SHU)	100	1800	4
8	Calcium as Calcium Oxide	250	350	5
9	Coumarin Content	100	1800	3
10	Chromate test (Qualitative)	100	350	2
11	Cold water soluble extract	100	350	4
12	Colour value (ASTA METHOD)	100	500	3
13	Common salt	100	450	3
14	Crocine	10	1000	2
15	Crude fibre	100	700	5
16	Curcumin (ASTA METHOD)	100	600	3
17	Excreta, mamalian	500/250	350	1
18	Excreta, others	500/250	350	1
19	Extraneous / foreign matter	500 / 250	350	1
20	Filth, heavy	100	600	2
21	Filth, light	100 #	600	5
22	Gingerols and Shogaols	100	2400	3
23	Insect defiled / infested	500 / 250	350	1
24	Light berries	250	350	1
25	Moisture (ASTA METHOD)	250	450	2
26	Mould (Physical)	250	350	1
27	Non - volatile ether extract	100	550	6
28	Oleoresin (EDC extractables)	100	500	5
29	Other Seeds	100	350	1
30	Other Seeds in Cumin	100	350	1
31	Picrocrocine	10	1000	2
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SI No.	Name of Analysis	Min. Qty. Reqd. in Gm	¹ Charges Rs.	¹⁰ No of Days Required
32	Piperine (ASTA METHOD)	100	1000	3
33	Safranal	10	850	2
34	Starch	100	850	5
35	Sulphur dioxide	200	850	4
36	Total ash	100	450	3
37	USFDA specifications	500/250x10 nos	*	6
38	Volatile oil	200	450	3
39	Vanillin	30	1800	3
40	Vanillic acid	30	1800	3
41	P-Hydroxybenzoic acid	30	1800	3
42	P-Hydroxybenzaldehyde	30	1800	3
43	Water activity	100	850	2
44	Water soluble ash	100	550	4
45	Whole insects, dead (by count)	250	350	1
RESIDUAL ANALYSIS				
46	Aflatoxin(B1,B2,G1,G2) [HPLC -METHOD]	250	2700	3
47	Heavy metals (Cd, Cr, Cu, Fe, Mg, Mo, Pb & Zn)	100	500##	5
48	Heavy Metal : Arsenic	100	500	4
49	Heavy Metal : Mercury	100	500	4
50	Mineral oil in Black Pepper	500	600	2
51	Ochratoxin A [HPLC-METHOD]	250	3000	3
52	Orange II	100	2000	2
53	Organochlorine Pesticides Residues (Isomers of BHC, Endosulfan and DDT; Heptachlor, Aldrin, Dieldrin, Endrin and Endrin aldehyde)	200	3000	6
54	Organochlorine Pesticide Residue - Dicofol	200	1800	6
55	Organophosphorous Pesticides Residues - (I) (Chlorpyrifos, Dimethoate, Disulfoton, Ethion, Methyl Parathion, Phorate, Parathion and Quinalphos)	200	3000	6
56	*Pesticide Residues-III (Iprobenphos, Triazophos and Profenphos)	200	3000	6
57	Organophosphorus Pesticides Residues (II) (Methyl Pirimiphos , Phosalone, Monocrotophos)	200	3000	6
58	*Pesticide Residues-IV (Ethion, Iprobenphos, Triazophos and Profenphos)	200	4800	6
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59	*Pesticide Residues-V (Profenphos, Bifenthrin, Triazophos, Diethion and Endosulfan)	500	6000	6
60	Pyrethroid Pesticides Residues (Cypermethrin and Fenvalerate)	200	2400	6
61	Pesticide Residue-Malathion	100	1800	6
62	Pesticide Residue-Phorate	100	1800	6
63	Pesticide Residue-Etrimphos	100	1800	6
64	Pesticide Residue-Fenitrothion	100	1800	6
65	Pesticide Residue-Phosmet	100	1800	6
66	Pesticide Residue-Chlorfenvinphos	100	1800	6
67	Pesticide Residue-Parathion	100	1800	6
68	Pesticide Residue-Lambda Cyhalothrin	100	1800	6
69	Pesticide Residue-Chlorothalonil	100	1800	6
70	Pesticide Residue-Azinphos Ethyl	100	1800	6
71	Pesticide Residue-Alachlor	100	1800	6
72	Pesticide Residue- Aldicarb	100	1800	6
73	Pesticide Residue-Carbofuran	100	1800	6
74	Pesticide Residue-Methomyl	100	1800	6
75	Pesticide Residue-O Methoate	100	1800	6
76	*Pesticide Residues-VI(Ethion, Iprobenphos, Triazophos, Profenphos, Phorate, Parathion, Chlorpyrifos, Methyl Parathion)	300	7000	6
77	Pesticide residues. single compound (any of the above)	200	1800	6
78	Sudan - Dye (I,II,III & IV (HPLC METHOD))**	100	2400	2
79	Sudan - Dye (I,II,III & IV (LC-MS/MS METHOD))	100	3000	2
80	Synthetic Dyes II (Sudan Red 7b, Sudan Orange G, Para Red, Rhodamine B and Butter Yellow(LC-MS/MS METHOD))	100	3000	2
81	Synthetic Dyes II - Single compound(any of the above)	100	1800	2
82	Sunset Yellow FCF in Sugar Coated Fennel	100	1800	2
MICROBIOLOGICAL ANALYSIS				
83	Aerobic Plate Count	100	600	3
84	Aerobic Spore Count	100	600	4
85	Bacillus cereus	100	1000	5
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86	* Bacillus cereus (TEMPO Method)	100	1200	2
87	Clostridium perfringens	100	2500	5
88	Coliforms	100	550	5
89	* Coliforms (TEMPO Method)	100	900	2
90	Enterobacteriaceae	100	600	5
91	*Enterobacteriaceae(TEMPO Method)	100	1000	2
92	E.coli	100	900	8
93	* E.coli(TEMPO Method)	100	900	2
94	Mould	100	500	6
95	Salmonella (FDA BAM)	375	1700	8
96	Salmonella(AOAC OMA Method)	375	1700	3
97	Staphylococcus aureus	100	900	5
98	* Staphylococcus aureus(TEMPO Method)	100	1000	2
99	Sulphite Reducing Clostridia	100	2500	5
100	Thermostable Bacteria	100	600	3
101	* Total Viable Count(TEMPO Method)	100	900	2
102	Yeast	100	500	6
103	Yeast and Mould	100	500	6
104	* Yeast and Mould (TEMPO Method)	100	1200	3

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Note:-

* 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. > 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 D & Head, Quality Evaluation Laboratory, Spices Board, Sugandha Bhavan, Palarivattom, Kochi -682 025, Kerala, along with analytical charges in the form of D.D. drawn in favour of Secretary, Spices Board, Kochi-25.

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