



# National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



## SCOPE OF ACCREDITATION

Laboratory Name AGRO TEST CENTRE, AGRO FOOD PARK, MIA, ALWAR, RAJASTHAN, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5967

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Validity 11/07/2019 to 10/07/2021

Last Amended on 26/07/2019

S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
<b>Permanent Facility</b>					
1	CHEMICAL- ANIMAL FOOD & FEEDS	Animal Feeds	Acid insoluble Ash	IS 7874 (Part-1) (RA-2014): 1975	0.02 % to 1 %
2	CHEMICAL- ANIMAL FOOD & FEEDS	Animal Feeds	Crude Fiber	AOAC 21st edition, 4.6.01 (962.09): 2019	0.1 % to 35 %
3	CHEMICAL- ANIMAL FOOD & FEEDS	Animal Feeds	Crude Fiber	IS 10226 (Part -1) RA 2015: 1982	0.1 % to 35 %
4	CHEMICAL- ANIMAL FOOD & FEEDS	Animal Feeds	Oil Content / Crude fat	IS 3579 (RA 2015): 1966	2 % to 10 %
5	CHEMICAL- ANIMAL FOOD & FEEDS	Animal Feeds	Oil Content / Crude fat	IS 7874(part -I) (RA-2014): 1975	2 % to 10 %
6	CHEMICAL- ANIMAL FOOD & FEEDS	Animal Feeds	pH of aqueous extract (10%)	AOAC 21st edition, (940.20): 2019	1 to 14
7	CHEMICAL- ANIMAL FOOD & FEEDS	Animal Feeds	Protein (N x 6.25)	IS 7219 (RA 2015): 1973	0.1 % to 80 %
8	CHEMICAL- ANIMAL FOOD & FEEDS	Animal Feeds	Total Ash	IS 7874 (Part-1) ( RA-2014): 1975	0.1 % to 10 %
9	CHEMICAL- ANIMAL FOOD & FEEDS	Animal Feeds	Total Ash	AOAC 942.05 21st Edition: 2019	0.1 % to 10 %
10	CHEMICAL- ANIMAL FOOD & FEEDS	Oil Seed Meal/ Cake	Crude fibre	IS 7874 (Part I) (RA 2014): 1975	5 % to 35 %
11	CHEMICAL- ANIMAL FOOD & FEEDS	Oil Seed Meal/ Cake	Moisture	IS 7874(Part-1) (RA 2014): 1975	5 % to 15 %
12	CHEMICAL- ANIMAL FOOD & FEEDS	Oil Seed Meal/ Cake	Oil Content	IS 7874 (Part I) (RA 2014): 1975	0.05 % to 10 %
13	CHEMICAL- ANIMAL FOOD & FEEDS	Oil Seed Meal/ Cake	Protein (N x 6.25)	IS 7874 (Part I) ( RA 2014): 1975	15 % to 50 %



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14	CHEMICAL- ANIMAL FOOD & FEEDS	Oil Seed Meal/ Cake	Sand and Silica or Acid insoluble ash	IS 7874 (Part I) RA 2014: 1975	0.02 % to 4 %
15	CHEMICAL- ANIMAL FOOD & FEEDS	Oil Seed Meal/ Cake	Total Ash	IS 7874 (Part I) ( RA 2014): 1975	0.5 % to 10 %
16	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Barley	Other food grains	IS 4333(Part 1): 2018	0.1 % to 20 %
17	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Maize / Bajra / Moong / Moth	Weevilled grains	IS 4333 (Part 1) : 2018	0.1 % to 15 %
18	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Atta	Acid insoluble ash	IS 1155 (RA 2015): 1968	0.02 % to 2 %
19	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Atta	Alcoholic Acidity	IS 1155 (RA 2015): 1968	0.01 % to 5 %
20	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Atta	Carbohydrates	IS 1656 (RA 2018): 2007	30 % to 90 %
21	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Atta	Crude fibre	IS 10226 (Part-1) (RA 2015): 1982	0.1 % to 10 %
22	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Atta	Dry Gluten	FSSAI Manual 4 (2016)-8.4: 2016	4 % to 14 %
23	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Atta	Dry Gluten	IS 1155 (RA 2015): 1968	4 % to 14 %



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24	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Atta	Energy	IS 14433 (RA 2018): 2007	by Calculation
25	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Atta	Fat	AOAC 922.06, 21st Edition: 2019	0.1 % to 5 %
26	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Atta	Moisture	FSSAI Manual 4 (2016)-8.1: 2016	5 % to 15 %
27	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Atta	Moisture	IS 1155 (RA 2015): 1968	5 % to 15 %
28	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Atta	Protein (N X 5.70)	IS 7219 (RA 2015 ): 1973	5 % to 16 %
29	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Atta	Total Ash	FSSAI Manual 4 (2016)-8.2: 2016	0.1 % to 2.5 %
30	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Atta	Total Ash	IS 1155 (RA 2015): 1968	0.1 % to 2.5 %
31	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Barley	Damaged including Discolored (black tipped/ black cornered only)	IS 4333 (Part 1): 2018	0.1 % to 20 %
32	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Barley	TCW (weight of thousand grains)	IS 4333(Part4) :: 2017	30 gm to 60 gm



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33	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Besan	Acid insoluble ash	IS 1009 (RA 2015): 1979	0.02 % to 2 %
34	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Besan	Carbohydrates	IS 1656 (RA 2018): 2007	30 % to 75 %
35	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Besan	Crude fibre	IS 10226 (Part-1) (RA 2015): 1982	0.1 % to 10 %
36	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Besan	Fat	AOAC 922.06, 21st Edition: 2019	0.1 % to 5 %
37	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Besan	Moisture	IS 1009 (RA 2015): 1979	5 % to 15 %
38	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Besan	Protein (N X 5.70)	IS 7219 : RA 2015: 1973	5 % to 30 %
39	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Besan	Total Ash	IS 1009 : RA 2015: 1979	0.1 % to 2 %
40	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Biscuits / Cookies / Rusks	Acetic Acid, Propionic Acid and It's Salt	IS 12711 (RA 2015): 1989	Qualitative
41	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Biscuits / Cookies / Rusks	Acid insoluble ash	IS 12711 (RA 2015): 1989	0.02 % to 5 %
42	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Biscuits / Cookies / Rusks	Acidity of extracted fat	IS 12711: (RA 2015) : 1989	0.01 % to 5 %



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43	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Biscuits / Cookies / Rusks	Alcoholic acidity	IS 12711 (RA 2015): 1989	0.05 % to 10 %
44	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Biscuits / Cookies / Rusks	Appearance/Dimensions	STP No. Commgrade/L3-AWR-FOO-018: 2019	Qualitative
45	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Biscuits / Cookies / Rusks	Ash content	IS 12711 (RA 2015): 1989	0.01 % to 10 %
46	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Biscuits / Cookies / Rusks	Carbohydrates	IS 1656 (RA 2018): 2007	1 % to 90 %
47	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Biscuits / Cookies / Rusks	Crude Fibre	IS 12711 (RA 2015): 1989	0.1 % to 30 %
48	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Biscuits / Cookies / Rusks	Energy	IS 14433 (RA 2018): 2007	By Calculation
49	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Biscuits / Cookies / Rusks	Moisture	IS 12711 (RA 2015): 1989	0.1 % to 50 %
50	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Biscuits / Cookies / Rusks	Peroxide Value	IS 12711 (RA 2015): 1989	0.1 Meq of O <sub>2</sub> /kg of fat to 20 Meq of O <sub>2</sub> /kg of fat
51	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Biscuits / Cookies / Rusks	pH	IS 12711 (RA 2015): 1989	1 to 14
52	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Biscuits / Cookies / Rusks	Synthetic Dyes	IS 12711 (RA 2015): 1989	Qualitative





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53	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Biscuits / Cookies / Rusks	Total Fat	IS 12711 (RA 2015): 1989	0.1 % to 30 %
54	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Biscuits / Cookies / Rusks	Total Protein	IS 7219 (RA 2015): 1973	0.1 % to 50 %
55	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Biscuits / Cookies / Rusks	Total Solid	IS 12711 (RA 2015): 1989	10 % to 98 %
56	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Bombay Rawa / Suji	Acid insoluble ash	IS 1010-RA 2015: 1968	0.02 % to 0.5 %
57	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Bombay Rawa / Suji	Alcoholic Acidity	IS 1010- RA 2015: 1968	0.05 % to 5 %
58	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Bombay Rawa / Suji	Carbohydrates	IS 1656 (RA 2018): 2007	30 % to 90 %
59	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Bombay Rawa / Suji	Crude fibre	IS 10226 (part-1) RA 2015: 1982	0.1 % to 10 %
60	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Bombay Rawa / Suji	Fat	AOAC 922.06 21st edition : 2019	0.1 % to 5 %
61	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Bombay Rawa / Suji	Protein	IS 7219 (RA 2015): 1973	4 % to 13 %
62	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Bombay Rawa / Suji	Total Ash	FSSAI Manual 4-8.2: 2016	0.5 % to 2.5 %



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63	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Bombay Rawa / Suji	Dry Gluten (On Dry Basis)	IS 1010- RA 2015: 1968	3 % to 12 %
64	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Bombay Rawa / Suji	Energy	IS 14433 (RA 2018): 2007	1 kcal/100gm to 1000 kcal/100gm
65	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Bombay Rawa / Suji	Moisture	IS 1010-RA 2015: 1968	5 % to 15 %
66	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Bombay Rawa / Suji	Total Ash	IS 1010- RA 2015: 1968	0.5 % to 2.5 %
67	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Bread / Fruit cake	Acid insoluble ash	IS 1485: (RA 2015): 1993	0.01 % to 3 %
68	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Bread / Fruit cake	Alcoholic acidity	IS 12711 (RA 2015): 1989	0.05 % to 10 %
69	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Bread / Fruit cake	Alkalinity of ash	IS 2639: (RA 2015): 1999	0.01 % to 5 %
70	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Bread / Fruit cake	Ash content	IS 1155: (RA 2015): 1968	0.1 % to 15 %
71	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Bread / Fruit cake	Carbohydrate	IS 1656 (RA 2018): 2007	20 % to 99 %
72	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Bread / Fruit cake	Crude fibre	IS 1155 (RA 2015): 1968	0.1 % to 20 %



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73	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Bread / Fruit cake	Energy	IS 14433: (RA 2018),: 2007	By Calculation
74	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Bread / Fruit cake	Fat	IS 12711 (RA 2015): 1989	0.1 % to 50 %
75	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Bread / Fruit cake	Free acidity	IS 4706(Part 2) (RA 2015): 1978	1 % to 70 %
76	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Bread / Fruit cake	Moisture	IS 1155: RA 2015: 1968	1 % to 50 %
77	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Bread / Fruit cake	Moisture	IS:4333(Part II):: 2017	1 % to 50 %
78	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Bread / Fruit cake	Total protein	IS 7219 (RA 2015): 1973	1 % to 50 %
79	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Bread / Fruit cake	Total solids	IS 11231(RA 2015): 1985	0.1 % to 99 %
80	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Castor Seed	Fotri (Husk) and damaged Seeds	IS 3579 (RA 2015): 1966	0.1 % to 10 %
81	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Castor Seed	Moisture	IS 3579 (RA 2015): 1966	1 % to 10 %
82	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Castor Seed	Oil content	IS 3579 (RA 2015): 1966	30 % to 60 %





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83	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Castor Seed	Sand, Silica and Stones	IS 3579( RA 2015): 1966	0.1 % to 10 %
84	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Chana (Bengal Gram)	Green, Immature, Shrunken, Shrivelled seeds	IS 4333-(Part 1): 2018	0.1 % to 15 %
85	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Chana (Bengal Gram) / Maize / Bajra / Wheat / Moong / Moth / Black Gram / Barley	Broken, damaged, slightly damaged and Immature kernels	IS 4333 (Part 1): 2018	0.5 % to 15 %
86	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Chana (Bengal Gram) / Maize / Bajra / Wheat / Moong / Moth / Black Gram / Barley	Immature / Shrivelled	IS 4333 (Part 1): 2018	0.1 % to 15 %
87	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Chana (Bengal Gram) /Maize/ Bajra/ Wheat/ Moong/ Moth/ Black Gram/ Barley	Moisture	IS 4333 (PART2): 2017	5 % to 20 %
88	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Chana (Bengal Gram)	Refraction other than foreign matter and insect damaged grain(Varietal admixture)	IS 4333 (Part 1): 2018	0.1 % to 15 %
89	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Chana (Bengal Gram)	Weeviled Seeds / Insect damaged	IS 4333-(Part 1): 2018	0.1 % to 15 %
90	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Chana (Bengal Gram) / Maize / Bajra / Wheat / Moong / Moth / Black Gram / Barley	Insect Damaged/ Weevilled	IS 4333 (Part 1): 2018	0.1 % to 20 %



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91	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Chana (Bengal Gram) / Maize / Bajra / Wheat / Moong / Moth / Black Gram / Barley	Other edible grains	IS 4333 (Part 1) : 2018	0.1 % to 15 %
92	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Chana (Bengal Gram) / Maize / Bajra / Wheat / Moong / Moth / Black Gram / Barley	Shrunken, Shriveled, Broken grains (not damaged)	IS 4333(Part 1): 2018	0.1 % to 20 %
93	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Chana (Bengal Gram) / Maize/ Bajra/ Wheat/ Moong/ Moth/ Black Gram/ Barley	Foreign matter	IS 4333 (Part 1): 2018	0.1 % to 20 %
94	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Chana (Bengal Gram) /Maize/ Bajra/ Wheat/ Moong/ Moth/ Black Gram/Barley	Damaged Seeds	IS 4333 (Part 1): 2018	0.1 % to 15 %
95	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Chana (Bengal gram)/ Maize/ Bajra/ Wheat/ Moong/ Moth/ Black gram/ Barley	Moisture	FSSAI Manual 4(2016)- 2.0: 2016	5 % to 20 %
96	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Chilli and chilli products	Acid insoluble ash	IS 1797: 2017	0.02 % to 2 %
97	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Chilli and chilli products	Crude fibre	IS 1797: 2017	20 % to 40 %
98	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Chilli and chilli products	Moisture	IS 1797: 2017	6 % to 18 %



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99	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Chilli and chilli products	Total Ash	IS 1797: 2017	1 % to 10 %
100	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Chilli Whole	Colour (Visual)	FSSAI MANUAL 7 (2016)-26.0: 2016	Qualitative(Visual)
101	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Chilli Whole	Colour (Visual)	IS 2322 (RA 2015): 2010	Qualitative(Visual)
102	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Chilli Whole	Extraneous matter	IS 2322 (RA 2015): 2010	0.1 % to 10 %
103	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Chilli Whole	Free from Moulds, insects, etc	IS 2322 (RA 2015): 2010	Qualitative
104	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Chilli Whole	Moisture	IS 1797: 2017	1 % to 20 %
105	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Chilli Whole	Unripe and marked and brown fruits	IS 2322 (RA 2015): 2010	1 % to 50 %
106	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Coriander Whole & Powder	Acid insoluble ash	IS 2443 (RA 2013): 2008	0.02 % to 2 %
107	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Coriander Whole & Powder	Crude fiber	IS 1797: 2017	20 % to 40 %
108	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Coriander Whole & Powder	Damaged Discolored & Weevilled seeds	IS 2443 (RA 2013): 2008	0.1 % to 10 %



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109	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Coriander Whole & Powder	Extraneous matter	IS 2443 (RA 2013): 2008	0.1 % to 10 %
110	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Coriander Whole & Powder	Moisture	IS 2443 (RA 2013): 2008	1 % to 20 %
111	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Coriander Whole & Powder	Shrivelled and immature Seeds	IS 2443 (RA 2013): 2008	0.1 % to 50 %
112	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Coriander Whole & Powder	Total Ash	IS 2443 (RA 2013): 2008	2 % to 8 %
113	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Cumin Seeds	Damaged Discoloured shrivelled and Immature seeds	IS 2447 (RA 2015): 2010	0.5 % to 10 %
114	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Cumin Seeds	Foreign matter	IS 2447 (RA 2015): 2010	0.1 % to 10 %
115	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Cumin Seeds	Foreign matter	FSSAI MANUAL 7 (2016)-2.0: 2016	0.1 % to 10 %
116	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Cumin Seeds	Insect damaged matter	IS 2447 (RA 2015): 2010	0.1 % to 20 %
117	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Cumin Seeds	Insect damaged matter	FSSAI MANUAL 7 (2016)-2.0: 2016	0.1 % to 20 %
118	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Cumin Seeds	Moisture	IS 1797: 2017	2 % to 15 %



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119	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Guar gum	Black, dark red and brown coloured splits	IS 2813 (RA 2015): 1995	0.1 % to 3 %
120	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Guar gum	Gum Content	IS 7437 (RA 2015): 1974	40 % to 95 %
121	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Guar gum	Moisture	IS 7437 ( RA 2015): 1974	2 % to 15 %
122	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Guar gum	Particle Size (pass through 14 mesh)	IS 2813 ( RA 2015): 1995	0.01 % to 10 %
123	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Guar gum	Particle Size (pass through 20 mesh)	IS 2813 ( RA 2015): 1995	0.1 % to 10 %
124	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Guar gum	pH	IS 7437 (RA 2015): 1974	1 to 14
125	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Guar gum	Protein (Nx6.25)	IS 7219 ( RA 2015): 1973	1 % to 15 %
126	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Guar gum	Protein (Nx6.25)	IS 7437 (RA 2015): 1974	1 % to 15 %
127	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Guar gum	Residue Insoluble in acid	IS 3988 ( RA 2016): 1981	0.1 % to 7 %
128	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Guar gum	Total ash	IS 10502 : 2018	0.1 % to 2.5 %





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129	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Guar gum	Undehusked Splits	IS 2813 RA 2015: 1995	0.1 % to 20 %
130	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Guar gum	Foreign Particles( All non gum particles)	IS 2813 (RA 2015): 1995	0.1 % to 5 %
131	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Guar Seed	Damaged seeds	IS 2813 RA 2015: 1995	0.1 % to 10 %
132	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Guar Seed	Foreign matter	IS 2813 RA 2015: 1995	0.1 % to 10 %
133	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Guar Seed	Gum Content	IS 7437 (RA 2015): 1974	20 % to 95 %
134	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Guar Seed	Protein	IS 7437 (RA 2015): 1974	1 % to 65 %
135	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Guar Seed	Protein	IS 7219 ( RA 2015): 1973	1 % to 65 %
136	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Guar Seed	Residue Insoluble in acid	IS 3988 (RA 2016): 1981	0.5 % to 50 %
137	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Guar Seed	Total ash	IS 10502 : 2018	0.1 % to 10 %
138	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Guar Seed	Volatile matter/ Moisture	IS 7437 (RA 2015): 1974	2 % to 15 %



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139	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Guar seed	Whitish seeds	IS 2813 ( RA 2015): 1995	20 % to 100 %
140	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Maida	Acid insoluble ash	IS 1009 : RA 2015: 1979	0.02 % to 2 %
141	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Maida	Alcoholic Acidity	IS 1009 : RA 2015: 1979	0.05 % to 0.5 %
142	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Maida	Carbohydrates	IS 1656 (RA 2018): 2007	30 % to 75 %
143	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Maida	Crude fibre	IS 10226 (Part-1) (RA 2015): 1982	0.1 % to 10 %
144	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Maida	Dry Gluten	IS 1009 : RA 2015: 1979	3 % to 17 %
145	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Maida	Fat	AOAC 922.06, 21st Edition: 2019	0.1 % to 5 %
146	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Maida	Moisture	IS 1009 : RA 2015: 1979	5 % to 15 %
147	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Maida	Protein (N X 5.70)	IS 7219 (RA 2015): 1973	5 % to 30 %
148	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Maida	Total Ash	IS 1009 : RA 2015: 1979	0.1 % to 2 %



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149	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Maize	Grain Count Per 100g	IS 4333-(Part 4) : 2017	325 to 460
150	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Mustard Seeds	Damaged and shrivelled	IS 3579 (RA 2015): 1966	0.1 % to 20 %
151	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Mustard Seeds	Free fatty acid (as oleic acid)	IS 548(part-1), (RA 2015): 1964	0.1 % to 3 %
152	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Mustard Seeds	Impurities (Foreign matter)	IS 3579 (RA 2015): 1966	0.1 % to 10 %
153	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Mustard Seeds	Insect damaged matter	IS 3579 (RA 2015): 1966	0.1 % to 20 %
154	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Mustard Seeds	Moisture	IS 3579 (RA 2015): 1966	1 % to 10 %
155	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Mustard Seeds	Oil Content	IS 3579 (RA 2015): 1966	30 % to 50 %
156	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oil & Fats	Acid value	IS 548(Part 1) RA 2015: 1964	0.1 to 10
157	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oil & Fats	Baudouin Test	IS 548 (Part 2) (RA 2015): 1976	Qualitative
158	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oil & Fats	Carbohydrate	IS 1656 (RA 2018): 2007	0.01 % to 90 %



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159	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oil & Fats	Energy(Total Calories)	IS 14433 (RA 2018),: 2007	By calculation
160	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oil & Fats	Free Fatty Acid	IS 548(Part 1) (RA 2015): 1964	0.1 % to 5 %
161	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oil & Fats	Insoluble Impurities	IS 548 (Part 1) (RA 2015): 1964	0.1 % to 5 %
162	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oil & Fats	Iodine value	IS 548 (Part 1) (RA 2015): 1964	5 to 200
163	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oil & Fats	Kusum oil	IS 548(Part 2) (RA 2015): 1976	Qualitative
164	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oil & Fats	Melting Point	IS 548 (Part 1) (RA 2015): 1964	18 °C to 53 °C
165	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oil & Fats	Mineral Oil test	IS 548 (Part 2) (RA 2015): 1976	Qualitative
166	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oil & Fats	Moisture	IS 548 (Part 1) ( RA 2015): 1964	0.01 % to 2 %
167	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oil & Fats	Peroxide value (meq /1000g)	IS 548 (Part 1) ( RA 2015): 1964	1.1 meq/1000g to 20 meq/1000g
168	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oil & Fats	Polenske Value	IS :548 (Part-1),(RA 2015): 1964	0.1 to 20



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169	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oil & Fats	Presence of cotton seed oil (Halphen test)	IS 548(Part 2) (RA 2015): 1976	Qualitative
170	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oil & Fats	Presence of Hydrocyanic acid	IS 548(Part 2) (RA 2015): 1976	Qualitative
171	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oil & Fats	Refractive Index at 40°C	IS 548 (Part 1) (RA 2015): 1964	1.3250 - to 1.7000 -
172	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oil & Fats	Saponification value	IS 548 (Part 1) (RA 2015): 1964	100 - to 250 -
173	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oil & Fats	Specific gravity	IS 548 (Part 1) (RA 2015): 1964	0.6 % to 1.4 %
174	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oil & Fats	Test for presence of argemone (Argemonemexicana) oil	IS 548(Part 2) (RA 2015): 1976	Qualitative
175	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oil & Fats	Unsaponifiable matter	IS 548 (Part 1) RA 2015: 1964	0.1 % to 10 %
176	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Pepper	Foreign matter	IS 1797: 2017	0.05 % to 10 %
177	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Pepper	Foreign matter	/ FSSAI MANUAL 7 (2016)-2.0: 2016	0.05 % to 10 %





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178	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Pepper	Light berries	IS 1798 (RA 2015): 2010	0.1 % to 5 %
179	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Pepper	Moisture	IS 1797: 2017	1 % to 20 %
180	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Soyabean	Damaged Seeds	IS 3579 (RA 2015): 1966	0.1 % to 20 %
181	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Soyabean	Foreign matter/ Impurities	IS 3579 (RA 2015): 1966	0.1 % to 10 %
182	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Soyabean	Green seeds in Soyabean	NCML-ATC/STP/001: 2017	0.1 % to 20 %
183	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Soyabean	Moisture	IS 3579 (RA 2015): 1966	1 % to 20 %
184	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Soyabean	Protein (N x 6.25)	IS 7219 (RA 2015): 1973	5 % to 50 %
185	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Turmeric Fingers	Extraneous Matter	IS 3576 (RA 2015): 2010	0.01 % to 10 %
186	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Turmeric Fingers	Extraneous Matter	FSSAI MANUAL 7 (2016)-2.0: 2016	0.01 % to 10 %
187	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Turmeric Fingers	Freedom from moulds and insect infestation	IS 3576 (RA 2015): 2010	Qualitative



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188	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Turmeric Powder	Acid insoluble ash	IS 1797: 2017	0.02 % to 2.5 %
189	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Turmeric Powder	Chromate Test	IS 3576 (RA 2015): 2010	Qualitative
190	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Turmeric Powder	Moisture	IS 1797: : 2017	8 % to 20 %
191	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Turmeric Powder	Total Ash	FSSAI MANUAL 7 (2016)-4.0: 2016	1 % to 10 %
192	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Turmeric Powder	Total Ash	IS 1797: 2017	1 % to 10 %
193	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Wheat	Total defects sum of foreign matter, other edible grains, damaged kernel (other than infestation damaged), shrivelled/ broken grains	IS 4333 (Part 1): 2018	0.1 % to 50 %
194	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Wheat	Damaged Kernel (Other than insect damaged)	IS 4333 (Part 1): 2018	0.1 % to 20 %
195	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Wheat	Hectolitre Weight	IS 4333(Part3) :: 2018	60 g/100ml to 90 g/100ml
196	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Wheat	Insect damaged Kernel	IS 4333 (Part 1): 2018	0.1 % to 20 %



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197	CHEMICAL- WATER	Drinking Water, Borewell Water and RO Water	Alkalinity	APHA-2330-B, 23rd Edition (Titration method ): 2017	5 mg/l to 1000 mg/l
198	CHEMICAL- WATER	Drinking Water, Borewell Water and RO Water	Alkalinity	IS 3025(Part-23) : 1986: (RA 2019)	5 mg/l to 1000 mg/l
199	CHEMICAL- WATER	Drinking Water, Borewell Water and RO Water	Alkalinity	FSSAI MANUAL, Section A II -9(Titration method): 2016	5 mg/l to 1000 mg/l
200	CHEMICAL- WATER	Drinking Water, Borewell Water and RO Water	Calcium	FSSAI MANUAL - Section A- II- 14 (EDTA Titration method): 2016	5 mg/l to 500 mg/l
201	CHEMICAL- WATER	Drinking Water, Borewell Water and RO Water	Calcium	APHA 23rd Edition 2017 - 3500-Ca-B (EDTA Titration Method): 2017	5 mg/l to 500 mg/l
202	CHEMICAL- WATER	Drinking Water, Borewell Water and RO Water	Calcium	IS 3025(Part-40) EDTA Titration Method: (RA 2019)	5 mg/l to 500 mg/l
203	CHEMICAL- WATER	Drinking Water, Borewell Water and RO Water	Chloride	IS 3025-(Part-32), Argentometric Method:1988: (RA 2019)	10 mg/l to 500 mg/l
204	CHEMICAL- WATER	Drinking Water, Borewell Water and RO Water	Chloride	FSSAI MANUAL- Section A II-5 (Argentometric method ): 2016	10 mg/l to 500 mg/l
205	CHEMICAL- WATER	Drinking Water, Borewell Water and RO Water	Chloride	APHA - 23rd Edition - 4500 Cl - B (Argentometric method): 2017	10 mg/l to 500 mg/l



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206	CHEMICAL- WATER	Drinking Water, Borewell Water and RO Water	Conductivity	IS 3025(Part-14): 1984: (RA 2019)	5 µS/cm to 10000 µS/cm
207	CHEMICAL- WATER	Drinking Water, Borewell Water and RO Water	Magnesium	FSSAI MANUAL(2016) Section A II-6: 2016	5 mg/l to 500 mg/l
208	CHEMICAL- WATER	Drinking Water, Borewell Water and RO Water	Magnesium	IS 3025(Part-46) Volumetric method using EDTA 1994: (RA 2019)	5 mg/l to 500 mg/l
209	CHEMICAL- WATER	Drinking Water, Borewell Water and RO Water	Magnesium	APHA 23rd Edition, 3500 Mg -B (By Calculation Method ): 2017	5 mg/l to 500 mg/l
210	CHEMICAL- WATER	Drinking Water, Borewell Water and RO Water	pH	FSSAI MANUAL (2016)Section A I-3: 2016	2 to 12
211	CHEMICAL- WATER	Drinking Water, Borewell Water and RO Water	pH	IS 3025(Part-11) Electrometric method : 1983: (RA 2017)	2 to 12
212	CHEMICAL- WATER	Drinking Water, Borewell Water and RO Water	Total Dissolved Solids	IS 3025(Part-16) ( RA 2017): 1984	10 mg/l to 2500 mg/l
213	CHEMICAL- WATER	Drinking Water, Borewell Water and RO Water	Total Dissolved Solids	FSSAI MANUAL (2016)Section A I-6: 2016	10 mg/l to 2500 mg/l
214	CHEMICAL- WATER	Drinking Water, Borewell Water and RO Water	Total hardness	IS 3025(Part-21) EDTA Titrimetric method : 2009: (RA 2014)	10 mg/l to 1000 mg/l



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215	CHEMICAL- WATER	Drinking Water, Borewell Water and RO Water	Total hardness	FSSAI MANUAL (2016)Section A II-8: 2016	10 mg/l to 1000 mg/l
216	CHEMICAL- WATER	Drinking Water, Borewell Water and RO Water	Total hardness	APHA-2340, 23rd Edition - 2340 C (EDTA Titrimetric Method): 2017	10 mg/l to 1000 mg/l