



National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



SCOPE OF ACCREDITATION

Laboratory Name AGRO TEST CENTRE, RIICO INDUSTRIAL AREA, AGRO FOOD PARK, PHASE-1, RANPUR, KOTA, RAJASTHAN, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5968 Page No. : 1 / 26

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
Permanent Facility					
1	CHEMICAL- ANIMAL FOOD & FEEDS	Animal Feeds	Acid insoluble Ash	IS 7874 (Part 1): 1975 (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 Fibre	IS 7874 (Part 1): 1975 (RA-2014): 1975	0.1 % to 35 %
4	CHEMICAL- ANIMAL FOOD & FEEDS	Animal Feeds	Crude Fibre	IS 10226 (Part 1) 1982(RA-2015): 1982	0.1 % to 35 %
5	CHEMICAL- ANIMAL FOOD & FEEDS	Animal Feeds	Oil Content / Crude fat	IS 3579:1966: 2015	2 % to 10 %
6	CHEMICAL- ANIMAL FOOD & FEEDS	Animal Feeds	Oil Content / Crude fat	IS 7874 (Part 1), (RA 2014): 1975	2 % to 10 %
7	CHEMICAL- ANIMAL FOOD & FEEDS	Animal Feeds	pH of aqueous extract (10%)	AOAC 21st edition, (940.20): 2019	1 to 14
8	CHEMICAL- ANIMAL FOOD & FEEDS	Animal Feeds	Protein (N x 6.25)	IS 7219:1973 (RA 2015): 1973	0.1 % to 80 %
9	CHEMICAL- ANIMAL FOOD & FEEDS	Animal Feeds	Total Ash	AOAC 942.05 21st Edition : 2019	0.1 % to 10 %
10	CHEMICAL- ANIMAL FOOD & FEEDS	Animal Feeds	Total Ash	IS 7874 (Part 1): 1975 (RA 2014): 1975	0.1 % to 10 %
11	CHEMICAL- ANIMAL FOOD & FEEDS	Oil Seed Meal/ Cake	Crude fibre	IS 7874 (Part 1): 1975 (RA 2014): 1975	5 % to 35 %
12	CHEMICAL- ANIMAL FOOD & FEEDS	Oil Seed Meal/ Cake	Moisture	IS 7874 (Part 1): 1975 (RA 2014): 1975	5 % to 15 %
13	CHEMICAL- ANIMAL FOOD & FEEDS	Oil Seed Meal/ Cake	Oil Content	IS 7874 (Part 1): 1975 (RA 2014): 1975	0.05 % to 10 %



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14	CHEMICAL- ANIMAL FOOD & FEEDS	Oil Seed Meal/ Cake	Protein (N x 6.25)	IS 7874 (Part 1): 1975 (RA 2014): 1975	15 % to 50 %
15	CHEMICAL- ANIMAL FOOD & FEEDS	Oil Seed Meal/ Cake	Sand and Silica or Acid insoluble ash	IS 7874 (Part 1): 1975 (RA 2014): 1975	0.02 % to 4 %
16	CHEMICAL- ANIMAL FOOD & FEEDS	Oil Seed Meal/ Cake	Total Ash	IS 7874 (Part 1): 1975 (RA 2014): 1975	0.5 % to 10 %
17	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Atta	Acid insoluble ash	IS: 1155 : 1968 Reaff-2015: 1968	0.02 % to 2 %
18	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Atta	Alcoholic Acidity	IS: 1155 : 1968 Reaff-2015: 1968	0.01 % to 5 %
19	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Atta	Carbohydrates	IS: 1656 : 2007 Reaff-2018: 2007	30 % to 90 %
20	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Atta	Crude fibre	IS: 1155 : 1968 Reaff-2015: 1968	0.1 % to 10 %
21	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Atta	Crude fibre	IS: 10226- (Part 1) : 1982(RA-2015): 1982	0.1 % to 10 %
22	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Atta	Dry Gluten	IS: 1155 : 1968 Reaff-2015: 1968	4 % to 14 %
23	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Atta	Energy	NA: NA	By calculation
24	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Atta	Fat	AOAC 922.06, 21st Edition: 2019	0.1 % to 5 %



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25	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Atta	Moisture	IS: 1155 : 1968 Reaff-2015: 1968	5 % to 15 %
26	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Atta	Protein (N X 5.70)	IS: 7219 : 1973 Reaff-2015: 1973	5 % to 16 %
27	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Atta	Total Ash	IS: 1155 : 1968 Reaff-2015: 1968	0.1 % to 2.5 %
28	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Barley	weight of thousand grains	IS: 4333 (Part 4) : 2017: 2017	30 g to 60 g
29	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Besan	Kesari Dal Powder	FSSAI Manual for Cereals and cereal products-11.1: 2016	Qualitative(Present / Absent)
30	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Biscuits/ Cookies/ Rusks	Acetic acid, Propionic acids and its salt	IS: 12711- 1989(RA-2015): 1989	Qualitative(Absent/ Present)
31	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Biscuits/ Cookies/ Rusks	Acid insoluble ash	IS: 1011- 2002 Reaff-2013: 2002	0.02 % to 5 %
32	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Biscuits/ Cookies/ Rusks	Acid insoluble ash	IS: 12711- 1989 Reaff-2015: 1989	0.02 % to 5 %
33	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Biscuits/ Cookies/ Rusks	Acidity of extracted fat	IS: 12711- 1989 Reaff-2015: 1989	0.01 % to 5 %
34	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Biscuits/ Cookies/ Rusks	Alcoholic acidity	IS: 12711- 1989(RA-2015): 1989	0.05 % to 10 %



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35	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Biscuits/ Cookies/ Rusks	Appearance/ Dimensions	STP No. Commgrade/L3-KOTA-FOO-018: 2019	Qualitative(-)
36	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Biscuits/ Cookies/ Rusks	Ash Content	IS: 12711- 1989 Reaff-2015: 1989	0.01 % to 10 %
37	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Biscuits/ Cookies/ Rusks	Carbohydrates	IS: 1656- 2007 Reaff-2018: 2007	1 % to 90 %
38	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Biscuits/ Cookies/ Rusks	Crude fibre	IS: 12711- 1989 Reaff-2015: 1989	0.1 % to 30 %
39	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Biscuits/ Cookies/ Rusks	Energy	NA: na	By Calculation
40	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Biscuits/ Cookies/ Rusks	Moisture	IS: 1011- 2002 Reaff-2013: 2002	0.1 % to 50 %
41	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Biscuits/ Cookies/ Rusks	Moisture	IS: 12711 -1989 Reaff-2015: 1989	0.1 % to 50 %
42	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Biscuits/ Cookies/ Rusks	Peroxide Value	IS: 12711- 1989(RA-2015): 1989	0.1 Meq/kg to 20 Meq/kg
43	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Biscuits/ Cookies/ Rusks	pH	IS: 12711- 1989 Reaff-2015: 1989	1 to 14
44	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Biscuits/ Cookies/ Rusks	Total Fat	IS: 12711- 1989 Reaff-2015: 1989	0.1 % to 30 %



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45	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Biscuits/ Cookies/ Rusks	Total Protein	IS: 7219- 1973 Reaff- 2015: 1973	0.1 % to 50 %
46	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Biscuits/ Cookies/ Rusks	Total solid	IS: 12711- 1989 Reaff- 2015: 1980	10 % to 98 %
47	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Bombay Rawa/ Suji	Acid insoluble ash	IS: 1010- 1968 Reaff- 2015: 1968	0.02 % to 0.5 %
48	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Bombay Rawa/ Suji	Alcoholic Acidity	IS: 1010- 1968 Reaff- 2015: 1968	0.05 % to 5 %
49	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Bombay Rawa/ Suji	Carbohydrates	IS: 1656- 2007 Reaff- 2018: 2007	By Calculation
50	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Bombay Rawa/ Suji	Crude fibre	IS: 10226- (Part 1) 1982 Reaff- 2015: 1982	0.1 % to 10 %
51	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Bombay Rawa/ Suji	Dry Gluten (On Dry Basis)	IS: 1010- 1968 Reaff- 2015: 1968	3 % to 12 %
52	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Bombay Rawa/ Suji	Energy	NA: NA	1 Kcal/100 gm to 1000 Kcal/100 gm
53	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Bombay Rawa/ Suji	Fat	AOAC 21st edition 922.06 : 2019	0.1 % to 5 %
54	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Bombay Rawa/ Suji	Moisture	IS: 1010-1968 Reaff- 2015: 1968	5 % to 15 %



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55	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Bombay Rawa/ Suji	Protein	IS: 7219- 1973 Reaff-2015: 1973	4 % to 13 %
56	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Bombay Rawa/ Suji	Total Ash	IS: 1010- 1968 Reaff-2015: 1968	0.5 % to 2.5 %
57	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Bread/ Fruit cake	Acid insoluble ash	IS: 1485- 1993 Reaff-2015: 1993	0.01 % to 3 %
58	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Bread/ Fruit cake	Alcoholic acidity	FSSAI Manual for cereals and cereal products- 2016: 2016	0.05 % to 10 %
59	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Bread/ Fruit cake	Alcoholic acidity	IS: 12711- 1989(RA-2015): 1989	0.05 % to 10 %
60	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Bread/ Fruit cake	Alkalinity of ash	IS: 2639 - 1999 Reaff-2015: 1999	0.01 % to 5 %
61	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Bread/ Fruit cake	Ash content	IS: 1155- 1968 Reaff-2015: 1968	0.1 % to 15 %
62	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Bread/ Fruit cake	Carbohydrates	IS: 1656 : 2007 Reaff-2018: 2007	By calculation
63	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Bread/ Fruit cake	Crude fibre	IS: 1155- 1968(RA-2015): 1968	0.1 % to 20 %
64	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Bread/ Fruit cake	Energy	NA: NA	By Calculation



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65	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Bread/ Fruit cake	Fat	IS: 12711- 1989(RA-2015): 1989	0.1 % to 50 %
66	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Bread/ Fruit cake	Free Acidity	IS: 4706- (Part 2) 1978(RA-2015): 1978	1 % to 70 %
67	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Bread/ Fruit cake	Fruit Content	IS: 12711- 1989(RA-2015): 1989	0.01 % to 20 %
68	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Bread/ Fruit cake	Moisture	IS 4333- (Part 2) : 2017: 2017	1 % to 50 %
69	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Bread/ Fruit cake	Moisture	IS: 1155 - 1968 Reaff-2015: 1968	1 % to 50 %
70	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Bread/ Fruit cake	Total Protein	IS: 3163- 1965(RA-2014): 1965	1 % to 50 %
71	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Bread/ Fruit cake	Total Protein	IS: 7219- 1973 (RA-2015): 1973	1 % to 50 %
72	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Bread/ Fruit cake	Total solids	IS: 11231 : 1985 Reaff-2015: 1985	0.1 % to 99 %
73	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Castor Seed	Fotri (Husk) and damaged seeds	IS: 3579- 1966 Reaff-2015: 1966	0.1 % to 10 %
74	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Castor Seed	Moisture	IS: 3579- 1966 Reaff-2015: 1966	1 % to 10 %



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75	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Castor Seed	Oil Content	IS: 3579- 1966 Reaff- 2015: 1966	30 % to 60 %
76	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Castor Seed	Sand, Silica and Stones	IS: 3579- 1966 Reaff- 2015: 1966	0.1 % to 10 %
77	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Chana (Bengal Garam)/ Maize/ Bajra/ Wheat/ Moong/ Moth/ Black Gram/ Barley	Moisture	IS: 4333 (Part-2): 2017	5 % to 20 %
78	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Chana (Bengal Gram)	Green, Immature, Shrunken, Shrivelled seeds	IS: 4333- (Part 1):2018: 2018	0.1 % to 15 %
79	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Chana (Bengal Gram)	Green, Immature, Shrunken, Shrivelled seeds	FSSAI Manual for cereals and cereal products-2016: 2016	0.1 % to 15 %
80	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Chana (Bengal Gram)	Refraction other than foreign matter and insect damaged grains(Varietal admixture)	IS: 4333- (Part 1) :2018: 2018	0.1 % to 15 %
81	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Chana (Bengal Gram)	Refraction other than foreign matter and insect damaged grains(Broken, Splits)	IS: 4333- (Part-1) :2018: 2018	0.1 % to 15 %
82	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Chana (Bengal Gram)	Weevilled Seeds/ Insect damaged	IS: 4333- (Part 1) :2018: 2018	0.1 % to 15 %



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83	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Chana (Bengal Gram)/ Maize/ Bajra/ Wheat/ Moong/ Moth/ Black Gram/ Barley	Damaged Seeds	FSSAI Manual for cereals and cereal products-2016: 2016	0.1 % to 15 %
84	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Chana (Bengal Gram)/ Maize/ Bajra/ Wheat/ Moong/ Moth/ Black Gram/ Barley	Damaged Seeds	IS: 4333- (Part-1) :2018: 2018	0.1 % to 15 %
85	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Chana (Bengal Gram)/ Maize/ Bajra/ Wheat/ Moong/ Moth/ Black Gram/ Barley	Foreign Matter	IS: 4333- (Part 1) : 2018: 2018	0.1 % to 20 %
86	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Chana (Bengal Gram)/ Maize/ Bajra/ Wheat/ Moong/ Moth/ Black Gram/ Barley	Immature/ Shrivelled	IS : 4333- (Part 1) :2018: 2018	0.1 % to 15 %
87	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Chana (Bengal Gram)/ Maize/ Bajra/ Wheat/ Moong/ Moth/ Black Gram/ Barley	Insect damaged/ Weevilled	IS: 4333- (Part 1) :2018: 2018	0.1 % to 20 %
88	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Chilli and chilli products	Acid insoluble ash	IS: 1797- 2017: 2017	0.02 % to 2 %
89	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Chilli and chilli products	Crude fibre	IS: 1797- 2017: 2017	20 % to 40 %
90	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Chilli and chilli products	Total Ash	FSSAI Manual for Spices and Condiments - 2016: 2016	1 % to 10 %



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91	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Chilli and chilli products	Total Ash	IS: 1797- 2017: 2017	1 % to 10 %
92	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Chilli Whole	Colour (Visual)	IS: 2322- 2010(RA-2015): 2010	Qualitative((Visual))
93	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Chilli Whole	Colour (Visual)	FSSAI Manual for Spices and Condiments - 2016: 2016	Qualitative((Visual))
94	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Chilli Whole	Extraneous matter	IS: 2322- 2010(RA-2015): 2010	0.1 % to 10 %
95	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Chilli Whole	Extraneous matter	FSSAI Manual for Spices and Condiments - 2016: 2016	0.1 % to 10 %
96	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Chilli Whole	Free from Moulds, insects, etc	IS: 2322- 2010(RA-2015): 2010	Qualitative((Visual))
97	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Chilli Whole	Unripe and marked and Brown fruits	FSSAI Manual for Spices and Condiments - 2016: 2016	1 % to 50 %
98	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Chilli Whole	Unripe and marked and brown fruits	IS: 2322- 2010(RA-2015): 2010	1 % to 50 %
99	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Coriander Whole & Powder	Crude fibre	IS: 1797- 2017: 2017	20 % to 40 %



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100	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Coriander Whole & Powder	Damaged, Discolored & Weevilled seeds	FSSAI Manual for Spices and Condiments- 2016: 2016	0.1 % to 10 %
101	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Coriander Whole & Powder	Damaged, Discolored & Weevilled seeds	IS: 2443- 2008(RA-2013): 2008	0.1 % to 10 %
102	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Coriander Whole & Powder	Extraneous matter	FSSAI Manual for Spices and Condiments- 2016: 2016	0.1 % to 10 %
103	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Coriander Whole & Powder	Extraneous matter	IS: 2443- 2008(RA-2013): 2008	0.1 % to 10 %
104	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Coriander Whole & Powder	Shrivelled and immature seeds	IS: 2443- 2008(RA-2013): 2008	0.1 % to 50 %
105	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Coriander Whole & Powder	Shrivelled and immature seeds	FSSAI Manual for Spices and Condiments- 2016: 2016	0.1 % to 50 %
106	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Coriander Whole & Powder	Total Ash	IS: 2443- 2008(RA-2013): 2008	2 % to 8 %
107	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Coriander Whole and Powder	Acid insoluble ash	FSSAI Manual for Spices and Condiments - 2016: 2016	0.02 % to 2 %
108	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Coriander Whole and Powder	Acid insoluble ash	IS: 2443- 2008(RA-2013): 2008	0.02 % to 2 %



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109	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Coriander Whole and Powder	Total Ash	FSSAI Manual for Spices and Condiments - 2016: 2016	2 % to 8 %
110	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Cumin Seeds	Damaged, Discoloured, Shrivelled and Immature seeds	FSSAI Manual for Spices and Condiments- 2016: 2016	0.5 % to 10 %
111	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Cumin Seeds	Damaged, Discoloured, Shrivelled and Immature seeds	IS: 2447- 2010(RA-2015): 2010	0.5 % to 10 %
112	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Cumin Seeds	Foreign matter	IS: 2447- 2010(RA-2015): 2010	0.1 % to 10 %
113	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Cumin Seeds	Foreign matter	FSSAI Manual for Spices and Condiments- 2016: 2016	0.1 % to 10 %
114	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Cumin Seeds	Insect damaged matter	IS: 2447- 2010(RA-2015): 2010	0.1 % to 20 %
115	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Cumin Seeds	Insect damaged matter	FSSAI Manual for Spices and Condiments- 2016: 2016	0.1 % to 20 %
116	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Guar gum	Black, dark red and brown coloured splits	IS: 2813- 1995 Reaff-2015: 1995	0.1 % to 3 %
117	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Guar gum	Foreign Particles (All non gum particles)	IS: 2813- 1995 Reaff-2015: 1995	0.1 % to 5 %



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118	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Guar gum	Gum Content	IS: 7437- 1974 Reaff-2015: 1974	40 % to 95 %
119	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Guar gum	Moisture	IS: 7437- 1974 Reaff-2015: 1974	2 % to 15 %
120	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Guar gum	Particle Size (pass through 14 mesh)	IS: 2813- 1995 Reaff-2015: 1995	0.01 % to 10 %
121	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Guar Gum	Particle size(pass through 20 mesh)	IS 2813:1995(RA-2015): 1995	0.01 % to 10 %
122	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Guar gum	pH	IS: 7437- 1974 Reaff-2015: 1974	1 to 14
123	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Guar gum	Protein (N X 6.25)	IS: 7437- 1974 Reaff-2015: 1974	1 % to 15 %
124	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Guar gum	Residue Insoluble in acid	IS: 3988- 1981 Reaff-2016: 1981	0.1 % to 7 %
125	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Guar gum	Total ash	IS: 10502- 2018: 2018	0.1 % to 2.5 %
126	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Guar gum	Undehusked Splits	IS: 2813- 1995 Reaff-2015: 1995	0.1 % to 20 %
127	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Guar Seed	Damaged seeds	IS: 2813- 1995 Reaff-2015: 1995	0.1 % to 10 %



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128	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Guar Seed	Foreign matter	IS: 2813- 1995 Reaff- 2015: 1995	0.1 % to 10 %
129	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Guar Seed	Gum Content	IS: 7437- 1974 Reaff- 2015: 1974	Calculation Basis
130	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Guar Seed	Protein	IS: 7437- 1974 Reaff- 2015: 1974	1 % to 65 %
131	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Guar Seed	Residue Insoluble in acid	IS: 3988- 1981 Reaff- 2016: 1981	0.5 % to 50 %
132	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Guar Seed	Total ash	IS: 10502- 2018: 2018	0.1 % to 10 %
133	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Guar Seed	Volatile matter/ Moisture	IS: 7437- 1974 Reaff- 2015: 1974	2 % to 15 %
134	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Guar Seed	Whitish seeds	IS: 2813- 1995 Reaff- 2015: 1995	20 % to 100 %
135	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Maida/ Besan	Acid insoluble ash	IS: 1009 : 1979 Reaff- 2015: 1979	0.02 % to 2 %
136	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Maida/ Besan	Alcoholic Acidity	IS: 1009 :1979 Reaff- 2015: 1979	0.05 % to 0.5 %
137	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Maida/ Besan	Carbohydrates	IS: 1656 : 2007 Reaff- 2018: 2007	30 % to 75 %



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138	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Maida/ Besan	Crude fibre	IS: 10226- (Part 1) : 1982(RA-2015): 1982	0.1 % to 10 %
139	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Maida/ Besan	Dry Gluten	IS: 1009 : 1979 Reaff-2015: 1979	3 % to 17 %
140	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Maida/ Besan	Fat	AOAC 922.06, 21st Edition: 2019	0.1 % to 5 %
141	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Maida/ Besan	Moisture	IS: 1009 : 1979 Reaff-2015: 1979	5 % to 15 %
142	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Maida/ Besan	Protein (N X 5.70)	IS: 7219 : 1973 Reaff-2015: 1973	5 % to 30 %
143	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Maida/ Besan	Total Ash	IS: 1009 : 1979 Reaff-2015: 1979	0.1 % to 2 %
144	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Maida/ Besan	Total Ash	FSSAI Manual for cereals and cereal products- 2016: 2016	0.1 % to 2 %
145	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Maize	Grains Count Per 100g	IS: 4333- (Part 4) :2017: 2017	325 to 460
146	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Maize/ Bajra/ Wheat/ Barley	Other edible grains	IS: 4333- (Part 1) : 2018: 2018	0.1 % to 15 %
147	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Maize/ Bajra/ Wheat/ Barley	Other food grains	IS: 4333- (Part 1) :2018: 2018	0.1 % to 20 %



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148	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Maize/ Bajra/ Wheat/ Barley	Shrunken, Shrivelled, Broken grains (not damaged)	IS: 4333- (Part 1) :2018: 2018	0.1 % to 20 %
149	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Maize/ Bajra/ Wheat/ Barley	Weevilled Grains	IS:4333- (Part 1) : 2018: 2018	0.1 % to 15 %
150	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Maize/ Bajra/ Wheat/ Barley	Weevilled grains	FSSAI Manual for cereals and cereal products-2016: 2016	0.1 % to 15 %
151	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk	Cane Sugar	IS:1479: 2016	Qualitative(Present / Absent)
152	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk	Cane Sugar	FSSAI Manual for Milk and Milk Products- 1.2.1: 2016	Qualitative(Present / Absent)
153	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Mustard Seeds	Damaged and shrivelled	IS: 3579- 1966 Reaff- 2015: 1966	0.1 % to 20 %
154	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Mustard Seeds	Free fatty acid (as oleic acid)	IS: 548 (Part- 1) 1964 Reaff- 2015: 1964	0.1 % to 3 %
155	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Mustard Seeds	Impurities (Foreign matter)	IS: 3579- 1966 Reaff- 2015: 1966	0.1 % to 10 %
156	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Mustard Seeds	Insect damaged matter	IS: 3579- 1966 Reaff- 2015: 1966	0.1 % to 20 %
157	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Mustard Seeds	Moisture	IS: 3579- 1966 Reaff- 2015: 1966	1 % to 10 %



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158	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Mustard Seeds	Oil Content	IS: 3579- 1966 Reaff- 2015: 1966	30 % to 50 %
159	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oil & Fats	Acid value	IS: 548 (Part 1) 1964 Reaff- 2015: 1964	0.1 to 10
160	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oil & Fats	Baudouin Test	IS: 548 (Part 2) 1976 Reaff- 2015: 1976	Qualitative(Absent/Present)
161	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oil & Fats	Carbohydrate	IS: 1656- 2007 Reaff- 2018: 2007	By Calculation
162	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oil & Fats	Energy (Total Calories)	NA: NA	By Calculation
163	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oil & Fats	Free Fatty Acid	IS: 548 (Part 1) 1964 Reaff- 2015: 1964	0.1 % to 5 %
164	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oil & Fats	Insoluble Impurities	IS: 548 (Part 1) 1964 Reaff- 2015: 1964	0.05 % to 5 %
165	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oil & Fats	Iodine value	IS: 548 (Part 1) 1964 Reaff- 2015: 1964	5 to 200
166	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oil & Fats	Kusum oil	IS: 548 (Part 2) 1976 Reaff- 2015: 1976	Qualitative(Absent/Present)
167	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oil & Fats	Melting Point	IS: 548 (Part 1) 1964 Reaff- 2015: 1964	18 °C to 53 °C



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168	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oil & Fats	Mineral Oil Test	IS: 548 (Part 2) 1976 Reaff- 2015: 1976	Qualitative(Absent/Present)
169	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oil & Fats	Moisture	IS: 548 (Part 1)- 1964 Reaff- 2015: 1964	0.01 % to 2 %
170	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oil & Fats	Peroxide value (meq/1000g)	IS: 548 (Part 1) 1964 Reaff- 2015: 1964	0.1 meq/1000g to 20 meq/1000g
171	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oil & Fats	Polenske value	FSSAI Manual for Oils and Fats- 2016: 2016	0.1 to 20.0
172	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oil & Fats	Polenske value	IS: 548 (Part 1) 1964 Reaff- 2015: 1964	0.1 to 20.0
173	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oil & Fats	Presence of cotton seed oil (Halphen test)	IS: 548 (Part 2) 1976 Reaff- 2015: 1976	Qualitative(Absent/Present)
174	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oil & Fats	Presence of Hydrocyanic acid	IS: 548 (Part 2) 1976 Reaff- 2015: 1976	Qualitative(Absent/Present)
175	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oil & Fats	Refractive Index at 40°C	IS: 548 (Part 1) 1964 Reaff- 2015: 1964	1.3250 to 1.7000
176	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oil & Fats	Refractive Index at 40°C	FSSAI Manual for Oils and Fats- 2016: 2016	1.3250 to 1.7000
177	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oil & Fats	Saponification value	IS: 548 (Part 1)- 1964 Reaff- 2015: 1964	100 to 250



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178	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oil & Fats	Specific gravity	IS: 548 (Part 1) 1964 Reaff- 2015: 1964	0.6 to 1.4
179	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oil & Fats	Specific gravity	FSSAI Manual for Oils and Fats- 2016: 2016	0.6 to 1.4
180	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oil & Fats	Unsaponifiable matter	IS: 548 (Part 1) 1964 Reaff- 2015: 1964	0.1 % to 10 %
181	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Pepper	Foreign Matter	IS:1797-2017: 2017	0.05 % to 10 %
182	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Pepper	Foreign Matter	FSSAI Manual for Spices and Condiments-2016: 2016	0.05 % to 10 %
183	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Pepper	Light berries	IS: 1798- 2010(RA-2015): 2010	0.1 % to 5 %
184	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Pepper	Light berries	FSSAI Manual for Spices and Condiments- 2016: 2016	0.1 % to 5 %
185	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Pepper	Papaya Seeds	FSSAI Manual for Spices and Condiments - 21.0: 2016	Qualitative(Present / Absent)
186	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Raw Milk	Acidity of Milk	FSSAI Manual for Milk and milk products: 2016	0.1 % to 5 %



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187	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Raw Milk	Nitrates	FSSAI Manual for Milk and Milk Products- 1.2.10: 2016	Qualitative(Presnt / Absent)
188	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Raw Milk	Sodium Chloride	FSSAI Manual for Milk and Milk Products- 1.2.8: 2016	Qualitative(Present / Absent)
189	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Raw Milk	Starch	FSSAI Manual for milk and milk products: 2016	Qualitative(Present /Absent)
190	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Raw Milk	Starch	FSSAI Manual fo Milk and Milk Products- 1.2.2: 2016	Qualitative(Present/ Absent)
191	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Raw Milk	Sulphates	FSSAI Manual for Milk and Milk Products- 1.2.6: 2016	Qualitative(Present / Absent)
192	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Raw Milk	Total Solids	FSSAI Manual for Milk and Milk Products- 1.3.3: 2016	1 % to 98 %
193	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Raw Milk	Urea	FSSAI Manual for Milk and Milk Products- 1.2.4: 2016	Qualitative(Present / Absent)
194	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	RawMilk	Milk Protein	FSSAI Manual for milk and milk products: 2016	1 % to 40 %
195	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Soyabean	Damaged Seeds	IS: 3579- 1966 Reaff- 2015: 1966	0.1 % to 20 %
196	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Soyabean	Foreign matter/ Impurities	IS: 3579- 1966 Reaff- 2015: 1966	0.1 % to 10 %



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197	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Soyabean	Green seeds in Soyabean	NCML-ATC/ STP/001: 2017	0.1 % to 20 %
198	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Soyabean	Moisture	IS: 3579- 1966 Reaff- 2015: 1966	1 % to 20 %
199	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Soyabean	Protein (N X 6.25)	IS: 7219- 1973 Reaff- 2015: 1973	5 % to 50 %
200	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Turmeric Fingers	Extraneous Matter	FSSAI Manual for Spices and Condiments- 2016: 2016	0.01 % to 10 %
201	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Turmeric Fingers	Extraneous Matter	IS: 3576- 2010(RA- 2015): 2010	0.01 % to 10 %
202	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Turmeric Fingers	Freedom from moulds and insect infestation	IS: 3576- 2010(RA- 2015): 2010	Qualitative(-)
203	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Turmeric Powder	Acid Insoluble Ash	IS: 1797- 2017: 2017	0.02 % to 2.5 %
204	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Turmeric Powder	Chromate Test	FSSAI Manual for Spices and Condiments- 2016: 2016	Qualitative(Absent/ Present)
205	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Turmeric Powder	Chromate Test	IS: 3576- 2010(RA- 2015): 2010	Qualitative(Absent/ Present)



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206	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Turmeric Powder	Total Ash	IS: 1797- 2017: 2017	1 % to 10 %
207	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Turmeric Powder	Total Ash	FSSAI Manual for Spices and Condiments- 2016: 2016	1 % to 10 %
208	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Wheat	Broken, damaged, slightly damaged and Immature kernels	FSSAI Manual for cereals and cereal products-2016: 2016	0.5 % to 15 %
209	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Wheat	Broken, Damaged, slightly damaged and immature Kernels	IS: 4333- (Part 1) :2018: 2018	0.5 % to 15 %
210	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Wheat	Damaged including Discolored (black tipped/ black cornered only)	IS: 4333- (Part 1) :2018: 2018	0.1 % to 20 %
211	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Wheat	Hectolitre Weight	IS: 4333- (Part 3) : 2018: 2018	60 g/100 ml to 90 g/100 ml
212	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: 2018	0.1 % to 50 %
213	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Wheat/ Barley	Damaged Kernel (Other than insect damaged)	IS: 4333- (Part 1) :2018: 2018	0.1 % to 20 %



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214	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Wheat/ Barley	Insect damaged kernel	IS: 4333- (Part 1) :2018: 2018	0.1 % to 20 %
215	CHEMICAL- WATER	Drinking Water, Borewell Water and RO Water	Alkalinity	IS 3025 (Part 23): 1986: (RA 2019)	2 mg/l to 1000 mg/l
216	CHEMICAL- WATER	Drinking Water, Borewell Water and RO Water	Alkalinity	FSSAI MANUAL, Section A II-9 (Titration Method):: 2016	2 mg/l to 1000 mg/l
217	CHEMICAL- WATER	Drinking Water, Borewell Water and RO Water	Alkalinity	APHA, 23rd Edition - 2330 - B (Titration Method): :2017	2 mg/l to 1000 mg/l
218	CHEMICAL- WATER	Drinking Water, Borewell Water and RO Water	Calcium	APHA 23rd Edition, 2017- 3500-Ca - B(EDTA Titraion Method): 2017	5 mg/l to 500 mg/l
219	CHEMICAL- WATER	Drinking Water, Borewell Water and RO Water	Calcium	IS 3025 (Part 40): EDTA Titration Method) 1991: (RA 2019)	5 mg/l to 500 mg/l
220	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
221	CHEMICAL- WATER	Drinking Water, Borewell Water and RO Water	Chloride	IS 3025 (Part 32): Argentometric Method: 1988: (RA 2019)	2 mg/l to 500 mg/l
222	CHEMICAL- WATER	Drinking Water, Borewell Water and RO Water	Chloride	FSSAI MANUAL - Section A II-5 (Argentometric method): :2016	2 mg/l to 500 mg/l



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223	CHEMICAL- WATER	Drinking Water, Borewell Water and RO Water	Chloride	APHA - 23rd Edition, 4500-Cl - B- (Argentometric Method): 2017	2 mg/l to 500 mg/l
224	CHEMICAL- WATER	Drinking Water, Borewell Water and RO Water	Conductivity	IS 3025 (Part 14): 1984: (RA 2019)	5 µS/cm to 10000 µS/cm
225	CHEMICAL- WATER	Drinking Water, Borewell Water and RO Water	Fluoride	FSSAI MANUAL : 2016 : Section A-II-7: 2016	0.1 mg/l to 5 mg/l
226	CHEMICAL- WATER	Drinking Water, Borewell Water and RO Water	Fluoride	APHA 23rd Edition - 4500-F(SPADNS Method): 2017	0.1 mg/l to 5 mg/l
227	CHEMICAL- WATER	Drinking Water, Borewell Water and RO Water	Fluoride	IS 3025 (Part 60): Zirconium Alizarin method, 2008: (RA 2019)	0.1 mg/l to 2.0 mg/l
228	CHEMICAL- WATER	Drinking Water, Borewell Water and RO Water	Magnesium	FSSAI MANUAL for Water - 2016 Section A II-6:: 2016	5 mg/l to 500 mg/l
229	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
230	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



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Accreditation Standard ISO/IEC 17025:2017

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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
231	CHEMICAL- WATER	Drinking Water, Borewell Water and RO Water	Nitrate	APHA, 23rd Edition - 4500-NO3- B (Ultraviolet Spectrophotometric Screening method): 2017	1.0 mg/l to 50.0 mg/l
232	CHEMICAL- WATER	Drinking Water, Borewell Water and RO Water	Nitrate	IS 3025 (Part 34): 1988 (RA 2019) : 1988	0.5 mg/l to 100 mg/l
233	CHEMICAL- WATER	Drinking Water, Borewell Water and RO Water	Nitrate	FSSAI MANUAL for Water- Section A. II. 4. Cadmium Reduction method: 2016	0.5 mg/l to 100 mg/l
234	CHEMICAL- WATER	Drinking Water, Borewell Water and RO Water	Nitrite	FSSAI MANUAL for Water-Section A. II. Nitrite:: 2016	0.01 mg/l to 10 mg/l
235	CHEMICAL- WATER	Drinking Water, Borewell Water and RO Water	Nitrite	APHA-4500-NO2, 23rd Edition: 2017	0.01 mg/l to 10 mg/l
236	CHEMICAL- WATER	Drinking Water, Borewell Water and RO Water	Nitrite	IS 3025 (Part 34): 1988 (RA 2019) : 1988	0.01 mg/l to 10 mg/l
237	CHEMICAL- WATER	Drinking Water, Borewell Water and RO Water	pH	FSSAI MANUAL (2016) Section A I - 3:: 2016	1 to 13
238	CHEMICAL- WATER	Drinking Water, Borewell Water and RO Water	pH	IS 3025 (Part 11): Electrometric method : 1983: (RA 2017)	2 to 12
239	CHEMICAL- WATER	Drinking Water, Borewell Water and RO Water	Sulphate	APHA, 23rd Edition, 4500, SO4 E (Turbidity method): 2017	5 mg/l to 500 mg/l



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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
240	CHEMICAL- WATER	Drinking Water, Borewell Water and RO Water	Sulphate	FSSAI MANUAL for Water Section A I -6: Turbidity method:: 2016	5 mg/l to 500 mg/l
241	CHEMICAL- WATER	Drinking Water, Borewell Water and RO Water	Sulphate	IS 3025 (Part 24): Turbidity method 1986: (RA 2019)	5 mg/l to 500 mg/l
242	CHEMICAL- WATER	Drinking Water, Borewell Water and RO Water	Total Dissolved Solids	IS 3025 (Part 16): 1984: (2017)	10 mg/l to 2500 mg/l
243	CHEMICAL- WATER	Drinking Water, Borewell Water and RO Water	Total Dissolved Solids	FSSAI MANUAL for Water: Section A I-6:: 2016	10 mg/l to 2500 mg/l
244	CHEMICAL- WATER	Drinking Water, Borewell Water and RO Water	Total hardness	IS 3025 (Part 21) EDTA Titrimetric method: 2009: (RA 2019)	10 mg/l to 1000 mg/l
245	CHEMICAL- WATER	Drinking Water, Borewell Water and RO Water	Total hardness	FSSAI MANUAL for Water - Section A II -8:: 2016	10 mg/l to 1000 mg/l
246	CHEMICAL- WATER	Drinking Water, Borewell Water and RO Water	Total hardness	APHA, 23rd Edition - 2340 C (EDTA Titrimetric Method): 2017	10 mg/l to 1000 mg/l