



National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



SCOPE OF ACCREDITATION

Laboratory Name ECO TECH LABS PVT. LTD, 48, 2ND MAIN ROAD, RAM NAGAR SOUTH EXTENSION, PALLIKARANAI, CHENNAI, TAMIL NADU , INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5937 Page No. : 1 / 101

Validity 24/05/2019 to 23/05/2021 Last Amended on 29/05/2019

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	BIOLOGICAL-COSMETICS AND ESSENTIAL OILS	Body lotion	Gram negative pathogens (Escherichia coli, Pseudomonas aeruginosa)	IS 14648: 2011	Qualitative(Presence / Absence per 1g)
2	BIOLOGICAL-COSMETICS AND ESSENTIAL OILS	Body lotion	Staphylococcus aureus	IS 14648: 2011	Qualitative(Presence / Absence per 1g)
3	BIOLOGICAL-COSMETICS AND ESSENTIAL OILS	Body Lotion	Total Microbial Count (Bacterial and Fungal count)	IS 14648: 2011	10 CFU/g to 10000 CFU/g
4	BIOLOGICAL-COSMETICS AND ESSENTIAL OILS	Body lotion	Yeast & Mould Count:	IS 14648: 2011	10 CFU/g to - CFU/g
5	BIOLOGICAL-COSMETICS AND ESSENTIAL OILS	Hair Oil	Total Aerobic Microbial Count	IS 7123: 1999	10 cfu/g to 10000 cfu/g
6	BIOLOGICAL-COSMETICS AND ESSENTIAL OILS	Hair Oil	Yeast and Moulds	IS 7123: 1999	10 cfu/g to 10000 cfu/g
7	BIOLOGICAL-ENVIRONMENT AND POLLUTION	Air	Total Coliforms	APHA CMEF, Chapter 3.101, 5th Edition: 2015	1 CFU/ plate to 300 CFU/ plate
8	BIOLOGICAL-ENVIRONMENT AND POLLUTION	Air	Total Plate Count	APHA CMEF, Chapter 3.101, 5th Edition: 2015	1 CFU/plate to 300 CFU/plate
9	BIOLOGICAL-ENVIRONMENT AND POLLUTION	Air	Yeast and Moulds	APHA CMEF, Chapter 3.101, 5th Edition: 2015	1 CFU / plate to 300 CFU / plate



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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
Permanent Facility					
10	BIOLOGICAL- ENVIRONMENT AND POLLUTION	Effluents/Waste water	Escherichia coli	Standard methods for the examination of water and waste water, 23 rd edition, Sec 9221F: 2017	2 MPN/100ml to 1600 MPN/100ml
11	BIOLOGICAL- ENVIRONMENT AND POLLUTION	Effluents/Waste water	Faecal Coliforms	Standard methods for the examination of water and waste water 23rd edition, Sec 9221E: 2017	2 MPN/100ml to 1600 MPN/100ml
12	BIOLOGICAL- ENVIRONMENT AND POLLUTION	Effluents/Waste water	Total Coliforms	Standard methods for the examination of water and waste water 23rd edition, Sec 9221B: 2017	2 MPN/100ml to 1600 MPN/100ml
13	BIOLOGICAL- ENVIRONMENT AND POLLUTION	Surface (swab)	Salmonella	ISO 18593 (&ET/MIC/SOP/004 Dt 03.09.2016): 2018	Qualitative(Presence / Absence per defined area /ml of rinse)
14	BIOLOGICAL- ENVIRONMENT AND POLLUTION	Surface (swab)	Coliforms	ISO 18593 (&ET/MIC/SOP/004 Dt 03.09.2016): 2018	1 CFU/cm2 to 1000000 CFU/cm2
15	BIOLOGICAL- ENVIRONMENT AND POLLUTION	Surface (swab)	Escherichia coli	ISO 18593 (&ET/MIC/SOP/004 Dt 03.09.2016): 2018	Qualitative(Presence / Absence per defined area /ml of rinse)
16	BIOLOGICAL- ENVIRONMENT AND POLLUTION	Surface (swab)	Staphylococcus aureus	ISO 18593 (&ET/MIC/SOP/004 Dt 03.09.2016): 2018	Qualitative(Presence / Absence per defined area /ml of rinse)
17	BIOLOGICAL- ENVIRONMENT AND POLLUTION	Surface (swab)	Total Plate Count	ISO 18593 (&ET/MIC/SOP/004 Dt 03.09.2016): 2018	1 CFU/cm2 to 1000000000 CFU/cm2



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Permanent Facility					
18	BIOLOGICAL- ENVIRONMENT AND POLLUTION	Surface (swab)	Yeast and Moulds	ISO 18593 (&ET/MIC/SOP/004 Dt 03.09.2016): 2018	1 CFU/cm2 to 1000000000 CFU/cm2
19	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Bakery & Confectionery	Bacillus cereus	IS 5887 Part 6: 2012	10 CFU/g to 1000000000 CFU/g
20	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Bakery & Confectionery	Clostridium perfringens	IS 5887 Part 4: 1999	10 CFU/g to 1000000000 CFU/g
21	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Bakery & Confectionery	Clostridium perfringens	IS 5887 Part 4: 1999	Qualitative(Presence / Absence per 1g)
22	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Bakery & Confectionery	Coliform	IS 5401 Part 2: 2012	Qualitative(Presence / Absence per 1g)
23	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Bakery & Confectionery	Coliforms	IS 5401 Part1: 2012	10 cfu/g to 1000000000 cfu/g
24	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Bakery & Confectionery	Coliforms	IS 5401 Part 2: 2012	0.3 MPN/g to 110 MPN/g
25	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Bakery & Confectionery	Enterobacteriaceae	ISO 21528-2: 2017	10 CFU/g to 1000000000 CFU/g
26	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Bakery & Confectionery	Escherichia coli	IS 5887 Part 1: 1976	10 CFU/g to 1000000000 CFU/g



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Permanent Facility					
27	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Bakery & Confectionery	Escherichia coli	IS 5887 Part 1: 1976	0.3 MPN/g to 110 MPN/g
28	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Bakery & Confectionery	Escherichia coli	IS 5887 Part 1: 1976	Qualitative(Presence / Absence per 1g)
29	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Bakery & Confectionery	Faecal streptococci	IS 5887 Part 2: 1976	10 CFU/g to 1000000000 CFU/g
30	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Bakery & Confectionery	Listeria monocytogenes	IS 14988 Part 1: 2001	Qualitative(Presence / Absence per 25g)
31	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Bakery & Confectionery	Salmonella	IS 5887 Part 3: 1999	Qualitative(Presence / Absence per 25g)
32	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Bakery & Confectionery	Shigella	IS 5887 Part 7: 1999	Qualitative(Presence / Absence per 25g)
33	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Bakery & Confectionery	Staphylococcus aureus	IS 5887 Part 2: 1976	10 CFU/g to 1000000000 CFU/g
34	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Bakery & Confectionery	Staphylococcus aureus	IS 5887 Part 2: 1976	Qualitative(Presence / Absence per 1g)
35	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Bakery & Confectionery	Staphylococcus aureus	IS 5887 Part 8 /Sec.1: 2002	10 CFU/g to 1000000000 CFU/g



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Permanent Facility					
36	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Bakery & Confectionery	Total bacterial count	IS 5401: 2012	10 cfu/g to 1000000000 cfu/g
37	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Bakery & Confectionery	Vibrio cholerae	IS 5887 Part 5: 1976	Qualitative(Presence / Absence per 25g)
38	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Bakery & Confectionery	Vibrio parahaemolyticus	IS 5887 Part 5: 1976	Qualitative(Presence / Absence per 25g)
39	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Bakery & Confectionery	Yest and Mould	IS 5403: 1999	10 CFU/g to 1000000000 CFU/g
40	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Beverages (Alcoholic /Non -Alcoholic)	Clostridium perfringens	IS 5887 Part 4: 1999	Qualitative(Presence / Absence per 1g)
41	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Beverages (Alcoholic /Non -Alcoholic)	Coliforms	IS 5401 Part 2: 2012	0.3 MPN/10ml to 110 MPN/10ml
42	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Beverages (Alcoholic /Non -Alcoholic)	Coliforms	IS 5401 Part 2: 2012	Qualitative(Presence / Absence per 100ml)
43	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Beverages (Alcoholic /Non -Alcoholic)	Enterobacteriaceae	ISO 21528-1: 2017	Qualitative(Presence / Absence per ml or 100ml)
44	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Beverages (Alcoholic /Non -Alcoholic)	Escherichia coli	IS 5887 Part 1: 1976	Qualitative(Presence / Absence per 1g or ml)



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Permanent Facility					
45	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Beverages (Alcoholic /Non -Alcoholic)	Escherichia coli	IS 5887 Part 1: 1976	0.3 MPN/ml to 110 MPN/ml
46	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Beverages (Alcoholic /Non -Alcoholic)	Listeria monocytogenes	IS 14988 Part 1: 2001	Qualitative(Presence / Absence per 25g)
47	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Beverages (Alcoholic /Non -Alcoholic)	Salmonella	IS 5887 Part 3: 1999	Qualitative(Presence / Absence per 25g or ml)
48	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Beverages (Alcoholic /Non -Alcoholic)	Shigella	IS 5887 Part 7: 1999	Qualitative(Presence / Absence per 25g)
49	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Beverages (Alcoholic /Non -Alcoholic)	Staphylococcus aureus	IS 5887 Part 2: 1976	Qualitative(Presence / Absence per 1g or ml)
50	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Beverages (Alcoholic /Non -Alcoholic)	Total bacterial count	IS 5402: 2012	1 CFU/ml to 1000000000 CFU/ml
51	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Beverages (Alcoholic /Non -Alcoholic)	Vibrio cholerae	IS 5887 Part 5: 1976	Qualitative(Presence/ Absence per 25g or ml)
52	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Beverages (Alcoholic /Non -Alcoholic)	Vibrio parahaemolyticus	IS 5887 Part 5: 1976	Qualitative(Presence / Absence per 25g or ml)
53	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Beverages (Alcoholic /Non -Alcoholic)	Yeast and moulds	IS 5403: 1999	1 cfu/ml to - cfu/ml



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Permanent Facility					
54	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Canned & Processed Food	Bacillus cereus	IS 5887 Part 6: 2012	10 CFU/g to 1000000000 CFU/g
55	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Canned & Processed Food	Clostridium perfringens (Isolation)	IS 5887 Part 4: 1999	Qualitative(Presence / Absence per 1g)
56	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Canned & Processed Food	Clostridium perfringens (Plate count technique)	IS 5887 Part 4: 1999	10 CFU/g to 1000000000 CFU/g
57	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Canned & Processed Food	Coliforms	IS 5401 Part 1: 2012	10 CFU/g to 1000000000 CFU/g
58	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Canned & Processed Food	Enterobacteriaceae	ISO 21528-2: 2017	10 CFU/g to 1000000000 CFU/g
59	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Canned & Processed Food	Escherichia coli (Isolation)	IS 5887 Part 1: 1976	Qualitative(Presence / Absence per 1g)
60	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Canned & Processed Food	Escherichia coli (MPN technique)	IS 5887 Part 1: 1976	0.3 MPN/g to 110 MPN/g
61	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Canned & Processed Food	Escherichia coli (Plate count technique)	IS 5887 Part 1: 1976	10 CFU/g to 1000000000 CFU/g
62	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Canned & Processed Food	Faecal streptococci	IS 5887 Part 2: 1976	10 CFU/g to 1000000000 CFU/g



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Permanent Facility					
63	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Canned & Processed Food	Listeria monocytogenes	IS 14988 Part 1: 2001	Qualitative(Presence / Absence per 25g)
64	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Canned & Processed Food	Salmonella	IS 5887 Part 3: 1999	Qualitative(Presence / Absence per 25g)
65	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Canned & Processed Food	Staphylococcus aureus (Isolation)	IS 5887 Part 2: 1976	Qualitative(Presence / Absence per 1g)
66	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Canned & Processed Food	Staphylococcus aureus(Plate count technique)	IS 5887 (Part 8 /Sec.1): 2002	10 CFU/g to 1000000000 CFU/g
67	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Canned & Processed food	Total bacterial count	IS 5402: 2012	10 CFU/g to 1000000000 CFU/g
68	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Canned & Processed Food	Vibrio cholerae	IS 5887 Part 5: 1976	Qualitative(Presence / Absence per 25g)
69	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Canned & processed Food	Vibrio parahaemolyticus	IS 5887 Part 5: 1976	Qualitative(Presence / Absence per 25g)
70	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Canned & Processed Food	Yeast and moulds	IS 5403: 1999	10 CFU/g to 1000000000 CFU/g
71	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Canned & Processed Foods	Coliform (Isolation)	IS 5401 Part 2: 2012	Qualitative(Presence / Absence per 1g)



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Permanent Facility					
72	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Canned & Processed Foods	Coliform (MPN technique)	IS 5401 Part 2: 2012	0.3 MPN/g to 110 MPN/g
73	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Canned & Processed Foods	Staphylococcus aureus (Plate count technique)	IS 5887 Part 2: 1976	10 cfu/g to 1000000000 cfu/g
74	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Canned & Processed Food	Shigella	IS 5887 Part 7: 1999	Qualitative(Presence / Absence per 25g)
75	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Edible Colours & Flavours	Coliform (MPN technique)	IS 5401 Part 2: 2012	0.3 MPN/g to 110 MPN/g
76	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Edible colours & Flavours	Escherichia coli (Isolation)	IS 5887 Part 1: 1976	Qualitative(Presence / Absence per 1g)
77	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Edible colours & Flavours	Escherichia coli (MPN technique)	IS 5887 Part 1: 1976	0.3 MPN/g to 110 MPN/g
78	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Edible Colours & Flavours	Salmonella	IS 5887 Part 3: 1999	Qualitative(Presence / Absence per 25g)
79	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Edible Colours & Flavours	Total bacterial count	IS 5402: 2012	10 CFU/g to 1000000000 CFU/g
80	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Edible Colours & Flavours	Vibrio parahaemolyticus	IS 5887 Part 5: 1976	Qualitative(Presence / Absence per 25g)



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Permanent Facility					
81	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Edible Colours & Flavours	Yeast and moulds	IS 5403: 1999	10 CFU/g to 1000000000 CFU/g
82	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Edible Colours & Flavours	Coliform (Isolation)	IS 5401 Part 2: 2012	Qualitative(Presence / Absence per 1g)
83	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Edible Colours & Flavours	Shigella	IS 5887 Part 7: 1999	Qualitative(Presence / Absence per 25g)
84	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Edible colours & Flavours	Vibrio cholerae	IS 5887 Part 5: 1976	Qualitative(Presence / Absence per 25g)
85	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Fruit & Fruit Products	Coliform (Plate count Technique)	IS 5401 Part 1: 2012	10 CFU/g to 1000000000 CFU/g
86	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Fruit & Fruit Products	Total bacterial count	IS 5402: 2012	10 CFU/g to 1000000000 CFU/g
87	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Fruits & Fruits Product	Bacillus cereus	IS 5887 Part 6: 2012	10 CFU/g to 1000000000 CFU/g
88	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Fruits & Fruits Product	Clostridium perfringens	IS 5887 Part 4: 1999	10 CFU/g to 1000000000 CFU/g
89	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Fruits & Fruits Product	Clostridium perfringens	IS 5887 Part 4: 1999	Qualitative(Presence / Absence per 25g)



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Permanent Facility					
90	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Fruits & Fruits Product	Coliforms	IS 5401 Part 2: 2012	0.3 MPN/g to 110 MPN/g
91	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Fruits & Fruits Product	Coliforms	IS 5401 Part 2: 2012	Qualitative(Presence / Absence per 1g)
92	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Fruits & Fruits Product	Enterobacteriaceae	ISO 21528-2: 2017	10 CFU/g to 1000000000 CFU/g
93	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Fruits & Fruits Product	Escherichia coli (Isolation)	IS 5887 Part 1: 1976	Qualitative(Presence / Absence per 1g)
94	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Fruits & Fruits Product	Escherichia coli (MPN technique)	IS 5887 Part 1: 1976	0.3 MPN/g to 110 MPN/g
95	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Fruits & Fruits Product	Escherichia coli (Plate count technique)	IS 5887 Part 1: 1976	10 CFU/g to 1000000000 CFU/g
96	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Fruits & Fruits Product	Faecal streptococci	IS 5887 Part 2: 1976	10 CFU/g to 1000000000 CFU/g
97	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Fruits & Fruits Product	Listeria monocytogenes	IS 14988 Part 1: 2001	Qualitative(Presence / Absence per 25g)
98	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Fruits & Fruits Product	Salmonella	IS 5887 Part 3: 1999	Qualitative(Presence / Absence per 25g)



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Permanent Facility					
99	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Fruits & Fruits Product	Shigella	IS 5887 Part 7: 1999	Qualitative(Presence / Absence per 25g)
100	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Fruits & Fruits Product	Staphylococcus aureus	IS 5887 Part 8/Sec.1: 2002	10 CFU/g to 1000000000 CFU/g
101	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Fruits & Fruits Product	Staphylococcus aureus	IS 5887 Part 2: 1976	10 CFU/g to 1000000000 CFU/g
102	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Fruits & Fruits Product	Staphylococcus aureus	IS 5887 Part 2: 1976	Qualitative(Presence / Absence per 1g)
103	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Fruits & Fruits Product	Yeast and moulds	IS 5403: 1999	10 CFU/g to 1000000000 CFU/g
104	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Fruits & Fruits Products	Vibrio cholerae	IS 5887 Part 5: 1976	Qualitative(Presence / Absence per 25g)
105	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Fruits & Fruits Products	Vibrio parahaemolyticus	IS 5887 Part 5: 1976	Qualitative(Presence / Absence per 25g)
106	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Herbs ,Spices & Condiments	Bacillus cereus	IS 5887 Part 6: 2012	10 cfu/g to 1000000000 cfu/g
107	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Herbs ,Spices & Condiments	Clostridium perfringens	IS 5887 Part 4: 1999	10 cfu/g to 1000000000 cfu/g



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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
Permanent Facility					
108	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Herbs ,Spices & Condiments	Clostridium perfringens	IS 5887 Part 4: 1999	Qualitative(Presence / Absence per 1g)
109	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Herbs ,Spices & Condiments	Coliforms	IS 5401 Part 2: 2012	Qualitative(Presence / Absence per 1g)
110	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Herbs ,Spices & Condiments	Coliforms	IS 5401 Part 1: 2012	10 cfu/g to 1000000000 cfu/g
111	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Herbs ,Spices & Condiments	Coliforms	IS 5401 Part 2: 2012	0.3 MPN/g to 110 MPN/g
112	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Herbs ,Spices & Condiments	Enterobacteriaceae	ISO 21528-2: 2017	10 CFU/g to 1000000000 CFU/g
113	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Herbs ,Spices & Condiments	Escherichia coli	IS 5887 Part 1: 1976	10 cfu/g to 1000000000 cfu/g
114	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Herbs ,Spices & Condiments	Escherichia coli	IS 5887 Part 1: 1976	0.3 MPN/g to 110 MPN/g
115	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Herbs ,Spices & Condiments	Escherichia coli	IS 5887 Part 1: 1976	Qualitative(Presence / Absence per 1g)
116	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Herbs ,Spices & Condiments	Faecal streptococci	IS 5887 Part 2: 1976	10 CFU/g to 1000000000 CFU/g



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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
Permanent Facility					
117	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Herbs ,Spices & Condiments	Listeria monocytogenes	IS 14988 Part 1: 2001	Qualitative(Presence / Absence per 25g)
118	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Herbs ,Spices & Condiments	Salmonella	IS 5887 Part 3: 1999	Qualitative(Presence / Absence per 25g)
119	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Herbs ,Spices & Condiments	Shigella	IS 5887 Part 7: 1999	Qualitative(Presence / Absence per 25g)
120	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Herbs ,Spices & Condiments	Staphylococcus aureus	IS 5887 Part 2: 1976	10 cfu/g to 1000000000 cfu/g
121	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Herbs ,Spices & Condiments	Staphylococcus aureus	IS 5887 Part 8/Sec.1: 2002	10 CFU/g to 1000000000 CFU/g
122	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Herbs ,Spices & Condiments	Staphylococcus aureus	IS 5887 Part 2: 1976	Qualitative(Presence / Absence per 1g)
123	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Herbs ,Spices & Condiments	Total bacterial count	IS 5402: 2012	10 cfu/g to 1000000000 cfu/g
124	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Herbs ,Spices & Condiments	Vibrio cholerae	IS 5887 Part 5: 1976	Qualitative(Presence / Absence per 25g)
125	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Herbs ,Spices & Condiments	Vibrio parahaemolyticus	IS 5887 Part 5: 1976	Qualitative(Presence / Absence per 25g)



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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
Permanent Facility					
126	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Herbs ,Spices & Condiments	Yeast and moulds	IS 5403: 1999	10 CFU/g to 1000000000 CFU/g
127	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Infant Food	Bacillus cereus (Plate count technique)	IS 5887 Part 6: 2012	10 CFU/g to 1000000000 CFU/g
128	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Infant Food	Clostridium perfringens (Isolation)	IS 5887 Part 4: 1999	Qualitative(Presence / Absence per 1g)
129	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Infant Food	Clostridium perfringens(Plate count technique)	IS 5887 Part 4: 1999	10 CFU/g to 1000000000 CFU/g
130	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Infant Food	Coliform (MPN technique)	IS 5401 Part 2: 2012	0.3 MPN/g to 110 MPN/g
131	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Infant Food	Coliforms (Isolation)	IS 5401 Part 2: 2012	Qualitative(Presence / Absence per 1g)
132	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Infant Food	Coliforms (Plate count technique)	IS 5401 Part 1: 2012	10 CFU/g to 1000000000 CFU/g
133	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Infant Food	Enterobacteriaceae	ISO 21528-2: 2017	10 CFU/g to 1000000000 CFU/g
134	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Infant Food	Escherichia coli (MPN technique)	IS 5887 Part 1: 1976	0.3 MPN/g to 110 MPN/g



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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
Permanent Facility					
135	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Infant Food	Escherichia coli (Plate count technique)	IS 5887 Part 1: 1976	10 CFU/g to 1000000000 CFU/g
136	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Infant Food	Listeria monocytogenes	IS 14988 Part 1: 2001	Qualitative(Presence / Absence per 25g)
137	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Infant Food	Staphylococcus aureus (Isolation)	IS 5887 Part 2: 1976	Qualitative(Presence / Absence per 1g)
138	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Infant Foods	Escherichia coli (Isolation)	IS 5887 Part 1: 1976	Qualitative(Presence / Absence per 1g)
139	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Infant Foods	Faecal streptococci	IS 5887 Part 2: 1976	10 CFU/g to 1000000000 CFU/g
140	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Infant Foods	Salmonella	IS 5887 Part 3: 1999	Qualitative(Presence / Absence per 25g)
141	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Infant Foods	Shigella	IS 5887 Part 7: 1999	Qualitative(Presence / Absence per 25g)
142	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Infant Foods	Staphylococcus aureus (Plate count technique)	IS 5887 Part 2: 1976	10 CFU/g to 1000000000 CFU/g
143	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Infant Foods	Staphylococcus aureus(Plate count technique)	IS 5887 Part 8 /Sec.1: 2002	10 CFU/g to 1000000000 CFU/g



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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
Permanent Facility					
144	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Infant Foods	Total bacterial count	IS 5402: 2012	10 CFU/g to 1000000000 CFU/g
145	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Infant Foods	Vibrio cholerae	IS 5887 Part 5: 1976	Qualitative(Presence / Absence per 25g)
146	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Infant Foods	Vibrio parahaemolyticus	IS 5887 Part 5: 1976	Qualitative(Presence / Absence per 25g)
147	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Infant Foods	Yeast and moulds	IS 5403: 1999	10 CFU/g to 1000000000 CFU/g
148	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Jams,juices,sauces& concentrates	Bacillus cereus	IS 5887 Part 6: 2012	10 CFU/g to 1000000000 CFU/g
149	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Jams,juices,sauces& concentrates	Clostridium perfringens	IS 5887 Part 4: 1999	Qualitative(Presence / Absence per 1g)
150	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Jams,juices,sauces& concentrates	Clostridium perfringens	IS 5887 Part 4: 1999	10 CFU/g to 1000000000 CFU/g
151	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Jams,juices,sauces& concentrates	Coliforms	IS 5401 Part 2: 2012	0.3 MPN/g or ml to 110 MPN/g or ml
152	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Jams,juices,sauces& concentrates	Coliforms	IS 5401 Part 1: 2012	10 CFU/g to 1000000000 CFU/g



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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
Permanent Facility					
153	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Jams,juices,sausages& concentrates	Coliforms	IS 5401 Part 2: 2012	Qualitative(Presence / Absence per 1g)
154	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Jams,juices,sausages& concentrates	Enterobacteriaceae	ISO 21528-2: 2017	10 CFU/g to 1000000000 CFU/g
155	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Jams,juices,sausages& concentrates	Escherichia coli	IS 5887 Part 1: 1976	10 CFU/g to 1000000000 CFU/g
156	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Jams,juices,sausages& concentrates	Escherichia coli	IS 5887 Part 1: 1976	Qualitative(Presence / Absence per 1g)
157	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Jams,juices,sausages& concentrates	Escherichia coli	IS 5887 Part 1: 1976	0.3 MPN/g to 110 MPN/g
158	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Jams,juices,sausages& concentrates	Faecal streptococci	IS 5887 Part 2: 1976	10 CFU/g to 1000000000 CFU/g
159	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Jams,juices,sausages& concentrates	Listeria monocytogenes	IS 14988 Part 1: 2001	Qualitative(Presence / Absence per 25g)
160	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Jams,juices,sausages& concentrates	Salmonella	IS 5887 Part 3: 1999	Qualitative(Presence / Absence per 25g)
161	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Jams,juices,sausages& concentrates	Shigella	IS 5887 Part 7: 1999	Qualitative(Presence / Absence per 25g)



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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
Permanent Facility					
162	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Jams,juices,sausages& concentrates	Staphylococcus aureus	IS 5887 Part 2: 1976	10 CFU/g to 1000000000 CFU/g
163	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Jams,juices,sausages& concentrates	Staphylococcus aureus	IS 5887 Part 8 /Sec.1: 2002	10 CFU/g to 1000000000 CFU/g
164	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Jams,juices,sausages& concentrates	Staphylococcus aureus	IS 5887 Part 2: 1976	Qualitative(Presence / Absence per 1g)
165	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Jams,juices,sausages& concentrates	Total bacterial count	IS 5402: 2012	10 cfu/g to 1000000000 cfu/g
166	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Jams,juices,sausages& concentrates	Vibrio cholerae	IS 5887 Part 5: 1976	Qualitative(Presence / Absence per 25g)
167	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Jams,juices,sausages& concentrates	Vibrio parahaemolyticus	IS 5887 Part 5: 1976	Qualitative(Presence / Absence per 25g)
168	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Jams,juices,sausages& concentrates	Yeast and moulds	IS 5403: 1999	10 cfu/g to 1000000000 cfu/g
169	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Milk & dairy Products	Anaerobic bacteria in milk	IS 1479 Part 3: 1977	Qualitative(Presence / Absence (10ml))
170	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Milk & Dairy Products	Bacillus cereus	IS 5887 Part 6: 2012	10 cfu/g to 1000000000 cfu/g



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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
Permanent Facility					
171	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Milk & Dairy Products	Clostridium perfringens	IS 5887 Part 4: 1999	10 CFU/g to 1000000000 CFU/g
172	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Milk & Dairy Products	Clostridium perfringens	IS 5887 Part 4: 1999	Qualitative(Presence / Absence per 1g)
173	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Milk & Dairy Products	Coliforms	IS 5401 Part 1: 2012	10 CFU/g to 1000000000 CFU/g
174	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Milk & Dairy Products	Coliforms	IS 5401 Part 2: 2012	Qualitative(Presence / Absence per 1g)
175	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Milk & Dairy Products	Coliforms	IS 5401 Part 2: 2012	0.3 MPN/g to 110 MPN/g
176	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Milk & Dairy Products	Enterobacteriaceae	ISO 21528-2: 2017	10 cfu/g to 1000000000 cfu/g
177	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Milk & Dairy Products	Escherichia coli	IS 5887 Part 1: 1976	10 CFU/g to 1000000000 CFU/g
178	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Milk & Dairy Products	Escherichia coli	IS 5887 Part 1: 1976	Qualitative(Presence / Absence per 1g)
179	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Milk & Dairy Products	Escherichia coli	IS 5887 Part 1: 1976	0.3 MPN/g to 110 MPN/g



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Permanent Facility					
180	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Milk & Dairy Products	Faecal streptococci	IS 5887 (part 2): 1976	10 CFU/g to - CFU/g
181	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Milk & Dairy Products	Listeria monocytogenes	IS 14988 Part 1: 2001	Qualitative(Presence / Absence per 25g)
182	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Milk & Dairy Products	Psychrophilic Count	IS 1479 Part 3: 1977	10 cfu/g to 1000000000 cfu/g
183	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Milk & Dairy Products	Salmonella	IS 5887 Part 3: 1999	Qualitative(Presence / Absence per 25g)
184	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Milk & Dairy Products	Shigella	IS 5887 Part 7: 1999	Qualitative(Presence / Absence per 25g)
185	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Milk & Dairy Products	Staphylococcus aureus	IS 5887 Part 8 /Sec.1: 2002	10 cfu/g to 1000000000 cfu/g
186	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Milk & Dairy Products	Staphylococcus aureus	IS 5887 Part 2: 1976	10 CFU/g to 1000000000 CFU/g
187	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Milk & Dairy Products	Staphylococcus aureus	IS 5887 Part 2: 1976	Qualitative(Presence / Absence per 1g)
188	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Milk & Dairy Products	Thermophilic Count	IS 1479 Part 3: 1977	10 CFU/g to 1000000000 CFU/g



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Permanent Facility					
189	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Milk & Dairy Products	Total bacterial count	IS 5402: 2012	10 CFU/g to 1000000000 CFU/g
190	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Milk & Dairy Products	Vibrio cholerae	IS 5887 Part 5: 1976	Qualitative(Presence / Absence per 25g)
191	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Milk & Dairy Products	Vibrio parahaemolyticus	IS 5887 Part 5: 1976	Qualitative(Presence / Absence per 25g)
192	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Milk & Dairy Products	Yeast and moulds	IS 5403: 1999	10 CFU/g to 1000000000 CFU/g
193	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Nuts & Nut Products	Coliforms	IS 5401 Part 2: 2012	0.3 MPN/g to 110 MPN/g
194	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Nuts & Nut Products	Coliforms	IS 5401 Part 2: 2012	Qualitative(Presence / Absence per 1g)
195	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Nuts & Nut Products	Coliforms(Plate count technique)	IS 5401 Part 1: 2012	10 CFU/g to 1000000000 CFU/g
196	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Nuts & Nut products	Salmonella	IS 5887 Part 3: 1999	Qualitative(Presence / Absence per 25g)
197	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Nuts & Nut Products	Total bacterial count	IS 5402: 2012	10 CFU/g to 1000000000 CFU/g



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Permanent Facility					
198	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Nuts & Nut product	Clostridium perfringens	IS 5887 Part 4: 1999	10 CFU/g to 1000000000 CFU/g
199	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Nuts & Nut product	Escherichia coli	IS 5887 Part 1: 1976	Qualitative(Presence / Absence per 1g)
200	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Nuts & Nut product	Staphylococcus aureus	IS 5887 Part 8 /Sec1: 2002	10 cfu/g to 1000000000 cfu/g
201	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Nuts & Nut product	Staphylococcus aureus	IS 5887 Part 2: 1976	Qualitative(Presence / Absence per 1g)
202	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Nuts & Nut product	Yeast and moulds	IS 5403: 1999	10 CFU/g to 1000000000 CFU/g
203	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Nuts & Nut product,	Escherichia coli	IS 5887 Part 1: 1976	10 CFU/g to 1000000000 CFU/g
204	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Nuts & Nut product,	Escherichia coli	IS 5887 Part 1: 1976	0.3 MPN/g to 110 MPN/g
205	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Nuts & Nut products	Bacillus cereus	IS 5887 Part 6: 2012	10 CFU/g to 1000000000 CFU/g
206	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Nuts & Nut products	Clostridium perfringens	IS 5887 Part 4: 1999	Qualitative(Presence / Absence per 1g)



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Permanent Facility					
207	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Nuts & Nut products	Enterobacteriaceae	ISO 21528-1: 2017	10 CFU/g to 1000000000 CFU/g
208	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Nuts & Nut products	Faecal streptococci	IS 5887 Part 2: 1976	10 CFU/g to 1000000000 CFU/g
209	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Nuts & Nut products	Shigella	IS 5887 Part 7: 1999	Qualitative(Presence / Absence per 25g)
210	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Nuts & Nut products	Staphylococcus aureus	IS 5887 (part 2): 1976	10 CFU/g to - CFU/g
211	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Nuts & Nut products	Vibrio cholerae	IS 5887 Part 5: 1976	Qualitative(Presence / Absence per 25g)
212	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Nuts & Nut products	Vibrio parahaemolyticus	IS 5887 Part 5: 1976	Qualitative(Presence / Absence per 25g)
213	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Pet Foods	Bacillus cereus	IS 5887 Part 6: 2012	10 CFU/g to 1000000000 CFU/g
214	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Pet Foods	Clostridium perfringens	IS 5887 Part 4: 1999	10 cfu/g to 1000000000 cfu/g
215	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Pet Foods	Clostridium perfringens	IS 5887 Part 4: 1999	Qualitative(Presence / Absence per 1g)



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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
Permanent Facility					
216	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Pet Foods	Coliforms	IS 5401 Part 1: 2012	10 CFU/g to 1000000000 CFU/g
217	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Pet Foods	Coliforms	IS 5401 Part 2: 2012	0.3 MPN/g to 110 MPN/g
218	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Pet Foods	Coliforms	IS 5401 Part 2: 2012	Qualitative(Presence / Absence per 1g)
219	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Pet Foods	Enterobacteriaceae	ISO 21528-2: 2017	10 cfu/g to 1000000000 cfu/g
220	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Pet Foods	Escherichia coli	IS 5887 Part 1: 1976	10 cfu/g to 1000000000 cfu/g
221	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Pet Foods	Escherichia coli	IS 5887 Part 1: 1976	0.3 MPN/g to 110 MPN/g
222	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Pet Foods	Escherichia coli	IS 5887 Part 1: 1976	Qualitative(Presence / Absence per 1g)
223	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Pet Foods	Faecal streptococci	IS 5887 Part 2: 1976	10 CFU/g to 1000000000 CFU/g
224	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Pet Foods	Listeria monocytogenes	IS 14988 Part 1: 2001	Qualitative(Presence / Absence per 25g)



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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
Permanent Facility					
225	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Pet Foods	Salmonella	IS 5887 Part 3: 1999	Qualitative(Presence / Absence per 25g)
226	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Pet Foods	Shigella	IS 5887 Part 7: 1999	Qualitative(Presence / Absence per 25g)
227	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Pet Foods	Staphylococcus aureus	IS 5887 Part 2: 1976	10 cfu/g to 1000000000 cfu/g
228	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Pet Foods	Staphylococcus aureus	IS 5887 Part 8 /Sec.1: 2002	10 cfu/g to 1000000000 cfu/g
229	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Pet Foods	Staphylococcus aureus	IS 5887 Part 2: 1976	Qualitative(Presence / Absence per 1g)
230	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Pet Foods	Total bacterial count	IS 5402: 2012	10 cfu/g to 1000000000 cfu/g
231	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Pet Foods	Vibrio cholerae	IS 5887 Part 5: 1976	Qualitative(Presence / Absence per 25g)
232	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Pet Foods	Vibrio parahaemolyticus	IS 5887 Part 5: 1976	Qualitative(Presence / Absence per 25g)
233	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Pet Foods	Yeast and moulds	IS 5403: 1999	10 cfu/g to 1000000000 cfu/g



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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
Permanent Facility					
234	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Snacks and Instant Mixes	Bacillus cereus	IS 5887 Part 6: 2012	10 cfu/g to 1000000000 cfu/g
235	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Snacks and Instant Mixes	Clostridium perfringens	IS 5887 Part 4: 1999	10 CFU/g to 1000000000 CFU/g
236	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Snacks and Instant Mixes	Clostridium perfringens	IS 5887 Part 4: 1999	Qualitative(Presence / Absence per 1g)
237	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Snacks and Instant Mixes	Coliform	IS 5401 Part 1: 2012	10 CFU/g to 1000000000 CFU/g
238	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Snacks and Instant Mixes	Coliforms	IS 5401 Part 2: 2012	Qualitative(Presence / Absence per 1g)
239	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Snacks and Instant Mixes	Coliforms	IS 5401 Part 2: 2012	0.3 MPN/g to 110 MPN/g
240	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Snacks and Instant Mixes	Enterobacteriaceae	ISO 21528-2: 2017	10 CFU/g to 1000000000 CFU/g
241	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Snacks and Instant Mixes	Escherichia coli	IS 5887 Part 1: 1976	10 CFU/g to 1000000000 CFU/g
242	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Snacks and Instant Mixes	Escherichia coli	IS 5887 Part 1: 1976	Qualitative(Presence / Absence per 1g)



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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
Permanent Facility					
243	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Snacks and Instant Mixes	Escherichia coli	IS 5887 Part 1: 1976	0.3 MPN/g to 110 MPN/g
244	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Snacks and Instant Mixes	Faecal streptococci	IS 5887 Part 2: 1976	10 CFU/g to 1000000000 CFU/g
245	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Snacks and Instant Mixes	Listeria monocytogenes	IS 14988 Part 1: 2001	Qualitative(Presence / Absence per 25g)
246	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Snacks and Instant Mixes	Salmonella	IS 5887 Part 3: 1999	Qualitative(Presence / Absence per 25g)
247	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Snacks and Instant Mixes	Shigella	IS 5887 Part 7: 1999	Qualitative(Presence / Absence per 25g)
248	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Snacks and Instant Mixes	Staphylococcus aureus	IS 5887 Part 8 /Sec.1: 2002	10 cfu/g to 1000000000 cfu/g
249	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Snacks and Instant Mixes	Staphylococcus aureus	IS 5887 Part 2: 1976	Qualitative(Presence / Absence per 1g)
250	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Snacks and Instant Mixes	Staphylococcus aureus	IS 5887 Part 2: 1976	10 CFU/g to 1000000000 CFU/g
251	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Snacks and Instant Mixes	Total bacterial count	IS 5402: 2012	10 cfu/g to 1000000000 cfu/g



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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
Permanent Facility					
252	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Snacks and Instant Mixes	Vibrio cholerae	IS 5887 Part 5: 1976	Qualitative(Presence / Absence per 25g)
253	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Snacks and Instant Mixes	Vibrio parahaemolyticus	IS 5887 Part 5: 1976	Qualitative(Presence / Absence per 25g)
254	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Snacks and Instant Mixes	Yeast and moulds	IS 5403: 1999	10 CFU/g to 1000000000 CFU/g
255	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Tea	Bacillus cereus	IS 5887 Part 6: 2012	10 CFU/g to 1000000000 CFU/g
256	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Tea	Clostridium perfringens	IS 5887 Part 4: 1999	10 CFU/g to 1000000000 CFU/g
257	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Tea	Clostridium perfringens	IS 5887 Part 4: 1999	Qualitative(Presence / Absence per 1g)
258	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Tea	Coliform	IS 5401 Part 1: 2012	10 CFU/g to 1000000000 CFU/g
259	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Tea	Coliforms	IS 5401 Part 2: 2012	Qualitative(Presence / Absence per 1g)
260	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Tea	Coliforms	IS 5401 Part 2: 2012	0.3 MPN/g to 110 MPN/g



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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
Permanent Facility					
261	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Tea	Enterobacteriaceae	ISO 21528-2: 2017	10 CFU/g to 1000000000 CFU/g
262	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Tea	Escherichia coli	IS 5887 Part 1: 1976	10 CFU/g to 1000000000 CFU/g
263	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Tea	Escherichia coli	IS 5887 Part 1: 1976	Qualitative(Presence / Absence per 1g)
264	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Tea	Escherichia coli	IS 5887 Part 1: 1976	0.3 MPN/g to 110 MPN/g
265	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Tea	Faecal streptococci	IS 5887 Part 2: 1976	10 CFU/g to 1000000000 CFU/g
266	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Tea	Listeria monocytogenes	IS 14988 Part 1: 2001	Qualitative(Presence / Absence per 25g)
267	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Tea	Salmonella	IS 5887 Part 3: 1999	Qualitative(Presence / Absence per 25g)
268	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Tea	Shigella	IS 5887 Part 7: 1999	Qualitative(Presence / Absence per 25g)
269	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Tea	Staphylococcus aureus	IS 5887 Part 2: 1976	10 CFU/g to 1000000000 CFU/g



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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
Permanent Facility					
270	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Tea	Staphylococcus aureus	IS 5887 Part 2: 1976	Qualitative(Presence / Absence per 1g)
271	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Tea	Staphylococcus aureus	IS 5887 Part 8 /Sec.1: 2002	10 cfu/g to 1000000000 cfu/g
272	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Tea	Total bacterial count	IS 5402: 2012	10 CFU/g to 1000000000 CFU/g
273	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Tea	Vibrio cholerae	IS 5887 Part 5: 1976	Qualitative(Presence / Absence per 25g)
274	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Tea	Vibrio parahaemolyticus	IS 5887 Part 5: 1976	Qualitative(Presence / Absence per 25g)
275	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Tea	Yeast and moulds	IS 5403: 1999	10 CFU/g to 1000000000 CFU/g
276	BIOLOGICAL- WATER	Drinking water	Coliforms	IS 15185: 2016	1 Presence/Absence per 100ml to 100 Presence/Absence per 100ml
277	BIOLOGICAL- WATER	Drinking water	Escherichia coli	IS 15185: 2016	1 Presence/Absence per 100ml to 100 Presence/Absence per 100ml
278	BIOLOGICAL- WATER	Ground water/ surface water	Escherichia coli	IS 1622: 1981	2 MPN/100ml to 1600 MPN/100ml



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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
Permanent Facility					
279	BIOLOGICAL- WATER	Ground water/ surface water	Faecal Coliforms	IS 1622: 1981	2 MPN/100ml to 1600 MPN/100ml
280	BIOLOGICAL- WATER	Ground water/ surface water	Standard Plate Count	IS 1622: 1981	1 cfu/ml to 1000000000 cfu/ml
281	BIOLOGICAL- WATER	Ground water/ surface water	Total Coliforms	IS 1622: 1981	2 MPN/100ml to 1600 MPN/100ml
282	BIOLOGICAL- WATER	Packaged drinking water	Coliforms	IS 15185: 2016	Qualitative(Presence/Absence per 250ml)
283	BIOLOGICAL- WATER	Packaged drinking water	Escherichia coli	IS 15185: 2016	Qualitative(Presence/Absence per 250ml)
284	BIOLOGICAL- WATER	Packaged drinking water	Faecal streptococci	IS 15186: 2016	Qualitative(Presence/Absence per 250ml)
285	BIOLOGICAL- WATER	Packaged drinking water	Pseudomonas aeruginosa	IS 13428 (Annex D): 2005	Qualitative(Presence/Absence per 250ml)
286	BIOLOGICAL- WATER	Packaged drinking water	Salmonella	IS 15187: 2016	Qualitative(Presence/Absence per 250ml)
287	BIOLOGICAL- WATER	Packaged drinking water	Shigella	IS 5887 Part 7: 1999	Qualitative(Presence/Absence per 250ml)
288	BIOLOGICAL- WATER	Packaged drinking water	Staphylococcus aureus	IS 5887 Part 2: 1976	Qualitative(Presence/Absence per 250ml)
289	BIOLOGICAL- WATER	Packaged drinking water	Sulphite reducing anaerobes	IS 13428 Annex C: 2005	Qualitative(Presence/Absence per 50ml)
290	BIOLOGICAL- WATER	Packaged drinking water	Total viable colony count @ 22°C	IS 5402: 2012	1 cfu/ml to 1000000000 cfu/ml
291	BIOLOGICAL- WATER	Packaged drinking water	Total viable colony count @37°C	IS 5402: 2012	1 cfu/ml to 1000000000 cfu/ml



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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
Permanent Facility					
292	BIOLOGICAL- WATER	Packaged drinking water	Vibrio cholerae	IS 5887 Part 5: 1976	Qualitative(Presence/Absence per 250ml)
293	BIOLOGICAL- WATER	Packaged drinking water	Vibrio parahaemolyticus	IS 5887 Part 5: 1976	Qualitative(Presence/Absence per 250ml)
294	BIOLOGICAL- WATER	Packaged drinking water	Yeast and Moulds	IS 5403: 1999	Qualitative(Presence/Absence per 250ml)
295	BIOLOGICAL- WATER	Packaged Natural Mineral water	Coliforms	IS 15185: 2016	Qualitative(Presence/Absence per 250ml)
296	BIOLOGICAL- WATER	Packaged Natural Mineral water	Escherichia coli	IS 15185: 2016	Qualitative(Presence/Absence per 250ml)
297	BIOLOGICAL- WATER	Packaged Natural Mineral water	Faecal streptococci	IS 15186: 2002	Qualitative(Presence/Absence per 250ml)
298	BIOLOGICAL- WATER	Packaged Natural Mineral water	Pseudomonas aeruginosa	IS 13428 Annex D: 2005	Qualitative(Presence/Absence per 250ml)
299	BIOLOGICAL- WATER	Packaged Natural Mineral water	Salmonella	IS 15187: 2016	Qualitative(Presence/Absence per 250ml)
300	BIOLOGICAL- WATER	Packaged Natural Mineral water	Shigella	IS 5887 Part 7: 1999	Qualitative(Presence/Absence per 250ml)
301	BIOLOGICAL- WATER	Packaged Natural Mineral water	Staphylococcus aureus	IS 5887 Part 2: 1976	Qualitative(Presence/Absence per 250ml)
302	BIOLOGICAL- WATER	Packaged Natural Mineral water	Sulphite reducing anaerobes	IS 13428 Annex C: 2005	Qualitative(Presence/Absence per 250ml)
303	BIOLOGICAL- WATER	Packaged Natural Mineral water	Vibrio cholerae	IS 5887 Part 5: 1976	Qualitative(Presence/Absence per 250ml)
304	BIOLOGICAL- WATER	Packaged Natural Mineral water	Vibrio parahaemolyticus	IS 5887 Part 5: 1976	Qualitative(Presence/Absence per 250ml)



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Permanent Facility					
305	BIOLOGICAL- WATER	Packaged Natural Mineral water	Yeast and Moulds	IS 5403: 1999	Qualitative(Presence/Absence per 250ml)
306	BIOLOGICAL- WATER	Water for Processed Food Industry	Coliform Bacteria	IS 1622: 1981	1 MPN/100ml to 161 MPN/100ml
307	BIOLOGICAL- WATER	Water for Processed food Industry	Lipolytic Count	IS 4251: 1967	1 cfu/ml to 1000000000 cfu/ml
308	BIOLOGICAL- WATER	Water for Processed food Industry	Proteolytic Count	IS 4251: 1967	1 cfu/ml to 1000000000 cfu/ml
309	BIOLOGICAL- WATER	Water for Processed Food Industry	Standard Plate Count	IS 1622: 1981	1 cfu/ml to 1000000000 cfu/ml
310	BIOLOGICAL- WATER	Water for Processed Food Industry	Thermophilic count	IS 4251: 1967	1 cfu/ml to 1000000000 cfu/ml
311	BIOLOGICAL- WATER	Water for Swimming Pools and Spas	Standard Plate Count	IS 3328: 1993	1 cfu/ml to 1000000000 cfu/ml
312	BIOLOGICAL- WATER	Water for Swimming Pools and Spas	Coliforms	IS 1622: 1981	2 MPN/100ml to 1600 MPN/100ml
313	CHEMICAL-ATMOSPHERIC POLLUTION	Ambient Air	Ammonia	ETL/CHL/SOP/002 Issue No.03 September 03: 2016	5 to 500 µg/m ³
314	CHEMICAL-ATMOSPHERIC POLLUTION	Ambient Air	Arsenic	ETL/INS/SOP/002 Issue No.01 September 03: 2016	1 to 100 ng/m ³
315	CHEMICAL-ATMOSPHERIC POLLUTION	Ambient Air	Benzene	IS 5182 (Part 11): 2006	0.5 to 50 µg/m ³
316	CHEMICAL-ATMOSPHERIC POLLUTION	Ambient Air	Benzo(a)pyrene	IS 5182 (Part 12): 2004	0.5 to 50 µg/m ³



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Permanent Facility					
317	CHEMICAL-ATMOSPHERIC POLLUTION	Ambient Air	Carbon Dioxide	ETL/CHL/IOP/028 Issue No.03 September03: 2016	1.8 to 7200 µg/m ³
318	CHEMICAL-ATMOSPHERIC POLLUTION	Ambient Air	Carbon Monoxide	ETL/CHL/IOP/029 Issue No.03 September03: 2016	1.1 to 1150 mg/m ³
319	CHEMICAL-ATMOSPHERIC POLLUTION	Ambient Air	Chlorine	IS 5182 (Part 19): 1982	0.2 to 5 µg/m ³
320	CHEMICAL-ATMOSPHERIC POLLUTION	Ambient air	Hydrogen Sulphide	IS 5182 (Part 7): 1973	10 to 100 µg/m ³
321	CHEMICAL-ATMOSPHERIC POLLUTION	Ambient Air	Lead	IS 5182 (Part 22): 2004	0.025 to 100 µg/m ³
322	CHEMICAL-ATMOSPHERIC POLLUTION	Ambient Air	Nickel	USEPA (IO-3.2): 1999	2.5 to 100 ng/m ³
323	CHEMICAL-ATMOSPHERIC POLLUTION	Ambient Air	Oxidant(Ozone)	IS 5182 (Part IX): 1974	10 to 200 µg/m ³
324	CHEMICAL-ATMOSPHERIC POLLUTION	Ambient Air	Oxides of Nitrogen	IS 5182 (Part 6): 2006	6 to 750 µg/m ³
325	CHEMICAL-ATMOSPHERIC POLLUTION	Ambient Air	Oxygen	ETL/CHL/IOP/027 Issue No.03 September 03: 2016	0.1 to 30 %



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Permanent Facility					
326	CHEMICAL-ATMOSPHERIC POLLUTION	Ambient Air	Particulate Matter(PM 2.5)	ETL/CHL/SOP/001 Issue No.03 September 03: 2016	15 to 1000 µg/m ³
327	CHEMICAL-ATMOSPHERIC POLLUTION	Ambient Air	Resirable suspended particulate matter(PM 10)	IS 5182 (Part 23): 2006	5 to 1000 µg/m ³
328	CHEMICAL-ATMOSPHERIC POLLUTION	Ambient Air	Sulphur dioxide	IS 5182 (Part 2): 2001	5 to 1050 µg/m ³
329	CHEMICAL-ATMOSPHERIC POLLUTION	Ambient Air	Toluene	IS 5182 (Part 11): 2006	0.5 to 50 µg/m ³
330	CHEMICAL-ATMOSPHERIC POLLUTION	Ambient Air	Total Fluoride	IS 5182 (Part 13): 1991	1 to 50 µg/m ³
331	CHEMICAL-ATMOSPHERIC POLLUTION	Ambient Air	Xylene	IS 5182 (Part 11): 2006	0.5 to 50 µg/m ³
332	CHEMICAL-ATMOSPHERIC POLLUTION	Ambient Noise Levels (Excluding vibration)	Insertion Loss (for Diesel Generator)	EPA method Schedule I: 1986	5 to 50 dB
333	CHEMICAL-ATMOSPHERIC POLLUTION	Ambient Noise Levels (Excluding vibration)	Leq, Lmax, Lmin, Ld, Ln, Ldn, L10, L50, L90, SPL	IS 9989: 1985	30 to 130 dB
334	CHEMICAL-ATMOSPHERIC POLLUTION	Meteorological Parameters	Humidity	ETL/CHL/IOP/036 Issue No.03 September 03: 2016	10 to 90 %



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Permanent Facility					
335	CHEMICAL-ATMOSPHERIC POLLUTION	Meteorological Parameters	Rainfall	ETL/CHL/IOP/036 Issue No.03 September 03: 2016	Qualitative
336	CHEMICAL-ATMOSPHERIC POLLUTION	Meteorological Parameters	Temperature	ETL/CHL/IOP/036 Issue No.03 September 03: 2016	5 to 65
337	CHEMICAL-ATMOSPHERIC POLLUTION	Meteorological Parameters	Wind Direction	ETL/CHL/IOP/036 Issue No.03 September 03: 2016	Qualitative
338	CHEMICAL-ATMOSPHERIC POLLUTION	Meteorological Parameters	Wind Speed	ETL/CHL/IOP/036 Issue No.03 September 03: 2016	Qualitative
339	CHEMICAL-ATMOSPHERIC POLLUTION	Stack emission	Acid mist	EPA method M8A: 1996	1.0 to 100 mg/Nm ³
340	CHEMICAL-ATMOSPHERIC POLLUTION	Stack emission	Ammonia	IS 11255 (Part 6): 1999	5 to 50 mg/Nm ³
341	CHEMICAL-ATMOSPHERIC POLLUTION	Stack emission	Carbon di sulphide	IS:11255(part 4): 2006	1 to 50 mg/Nm ³
342	CHEMICAL-ATMOSPHERIC POLLUTION	Stack emission	Carbon Dioxide	IS 13270 : 1992	0.2 to 16 %v/v
343	CHEMICAL-ATMOSPHERIC POLLUTION	Stack emission	Carbon Monoxide	IS 13270: 1992	0.2 to 4 %v/v



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Permanent Facility					
344	CHEMICAL-ATMOSPHERIC POLLUTION	Stack emission	Chlorine	EPA method M26: 2014	0.1 to 50 mg/Nm ³
345	CHEMICAL-ATMOSPHERIC POLLUTION	Stack emission	HCL	EPA method M26: 2014	0.1 to 50 mg/Nm ³
346	CHEMICAL-ATMOSPHERIC POLLUTION	Stack emission	Hydrogen Sulphide	IS 11255 (Part 4): 2006	1.4 to 100 mg/Nm ³
347	CHEMICAL-ATMOSPHERIC POLLUTION	Stack emission	Mercury	USEPA-0060: 1996	1 to 100 µg/Nm ³
348	CHEMICAL-ATMOSPHERIC POLLUTION	Stack emission	Non methane hydrocarbons	USEPA Method 25: 2017	0.5 to 1000 mg/Nm ³
349	CHEMICAL-ATMOSPHERIC POLLUTION	Stack emission	Oxides of Nitrogen	IS 11255 (Part 7): 2005	2 to 1000 mg/Nm ³
350	CHEMICAL-ATMOSPHERIC POLLUTION	Stack emission	Oxygen	IS 13270: 1992	0.2 to 22 %v/v
351	CHEMICAL-ATMOSPHERIC POLLUTION	Stack emission	Particulate Matter	IS 11255 (Part 1): 1985	5 to 1000 mg/Nm ³
352	CHEMICAL-ATMOSPHERIC POLLUTION	Stack emission	Sulphur Dioxide	IS 11255 (Part 2): 1985	5 to 1000 mg/Nm ³



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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
Permanent Facility					
353	CHEMICAL-ATMOSPHERIC POLLUTION	Stack emission	Total Fluoride (particulate method)	IS 11255 (part 5): 1990	0.1 to 100 mg/Nm ³
354	CHEMICAL-ATMOSPHERIC POLLUTION	Work Environment and Indoor Air Quality	Ammonia	NIOSH (6015): 1994	1.5 to 120 µg/m ³
355	CHEMICAL-ATMOSPHERIC POLLUTION	Work Environment and Indoor Air Quality	Carbon Monoxide	NIOSH (6604): 1996	1.1 to 115
356	CHEMICAL-ATMOSPHERIC POLLUTION	Work Environment and Indoor Air Quality	Illumination	ETL/CHL/IOP/034 Issue No.03 September 03: 2016	0.01 to 20000 Lux
357	CHEMICAL-ATMOSPHERIC POLLUTION	Work Environment and Indoor Air Quality	Nitrogen Dioxide	NIOSH (6014): 1994	1 to 18 mg/m ³
358	CHEMICAL-ATMOSPHERIC POLLUTION	Work Environment and Indoor Air Quality	Oxygen	NIOSH (6601): 1994	5 to 30 %v/v
359	CHEMICAL-ATMOSPHERIC POLLUTION	Work Environment and Indoor Air Quality	Respirable Aerosol Mass	NIOSH (0600): 1998	15 to 5000 µg/m ³
360	CHEMICAL-ATMOSPHERIC POLLUTION	Work Environment and Indoor Air Quality	Sulphur dioxide	ETL/CHL/SOP/003 Issue No.1 September 03: 2016	3 to 200 µg/m ³
361	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Bakery & confectionery products	carbohydrate	ETL/CFL/SOP/001 issue No.01 (SEP-03): 2016	5 to 80 g/100g



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Permanent Facility					
362	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Bakery & confectionery products	Crude Fibre	IS 12711: 1989	0.1 to 25 g/100g
363	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Bakery & confectionery products	Energy	ETL/CFL/SOP/001 issue No.01 (SEP-03): 2016	10 to 500 kcal/100g
364	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Bakery & Confectionery Products	Moisture	IS 12711: 1989	0.5 to 40 g/100g
365	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Bakery & confectionery products	Protein	IS 7219: 1973	0.5 to 25 g/100g
366	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Bakery & confectionery products	Reducing sugar	FSSAI lab manual 4(A9): 2015	1 to 60 g/100g
367	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Bakery & confectionery products	sucrose	FSSAI lab Manual 4(A10): 2015	0.5 to 50 g/100g
368	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Bakery & confectionery products	Sulphated ash	FSSAI lab manual 4(A3): 2015	0.01 to 5 g/100g
369	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Bakery & confectionery products	Total ash	IS 12711: 1989	0.01 to 5 g/100g
370	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Beverages(Alcoholic/Non alcoholic)	Alkalinity of water soluble ash	FSSAI manual: Fruits and vegetables: 2016	0.5 to 7.5 ml of 0.1 N HCL/g



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Permanent Facility					
371	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Beverages(Alcoholic/Non alcoholic)	Arsenic	ETL/INS/SOP/001 Issue No 01(SEP-03): 2016	20 to 1000 µg/kg
372	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Beverages(Alcoholic/Non alcoholic)	Ash	IS 3752: 2005	0.01 to 2 g/100g
373	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Beverages(Alcoholic/Non alcoholic)	Ash insoluble in HCL	DGHS Manual 4(pp 5-6): 2005	0.05 to 2.5 g/100g
374	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Beverages(Alcoholic/Non alcoholic)	Copper	ETL/INS/SOP/001 Issue No.01(SEP-03): 2016	0.25 to 50 mg/kg
375	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Beverages(Alcoholic/Non alcoholic)	LEAD	ETL/INS/SOP/001 Issue No .01(SEP-03): 2016	0.25 to 50 mg/kg
376	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Beverages(Alcoholic/Non alcoholic)	pH	IS 3865: 2001	2 to 10
377	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Beverages(Alcoholic/Non alcoholic)	Residue on evaporation	IS 3752(2005)/ FSSAI lab mannual 13, 03: 2015	1 to 90 g/100g
378	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Beverages(Alcoholic/Non alcoholic)	Zinc	ETL/INS/SOP/001 Issue No .01(SEP-03): 2016	0.1 to 50 mg/kg
379	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Cereals pulses&cereal products	Alcoholic Acidity	IS 1009 (1979) FSSAI Lab manual (8.5): 2016	0.02 to 2 g/100g



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Permanent Facility					
380	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Cereals pulses&cereal products	Ash insoluble in dil.HCL	IS 1155 (1968)/ FSSAI Lab manual (8.3): 2016	0.01 to 5 g/100g
381	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Cereals pulses&cereal products	Crude fibre	IS 1155 (1968)/ FSSAI Lab manual (8.8): 2016	0.5 to 25 g/100g
382	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Cereals pulses&cereal products	Damaged grains	IS 4333(1996) (part 1)/ FSSAI Lab manual : 2016	0.1 to 40 g/100g
383	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Cereals pulses&cereal products	Foreign Matter (Extraneous matter)	IS 4333 (part 1) (1996)/ FSSAI Lab manual (1.2): 2016	0.1 to 10 g/100g
384	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Cereals pulses&cereal products	Gluten	IS 1155(1968)/ FSSAI Lab manual (8.4): 2016	1.0 to 20 g/100g
385	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Cereals pulses&cereal products	Insect	IS 6261(1968)/ FSSAI Manual : 2016	Qualitative
386	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Cereals pulses&cereal products	Insect damaged grains	IS 4333 (part 1)(2002)/ FSSAI lab manual : 2016	0.1 to 25 g/100g
387	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Cereals pulses&cereal products	Moisture	IS 4333 (part 2)(2012)/ FSSAI Lab Manual (8.1): 2016	1.0 to 25 g/100g
388	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Cereals pulses&cereal products	Other Edible grains	IS 4333 (part 1)(2002)/ FSSAI lab Manual : 2016	0.1 to 25 g/100g



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Permanent Facility					
389	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Cereals pulses&cereal products	Rodent Hair & Excreta	AOAC (19th edition) 941.16: page 22, Chapter 16./ FSSAI lab manual: 2016	Qualitative
390	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Cereals pulses&cereal products	Total Ash	IS 1155(1968)/ FSSAI Lab Manual (8.2): 2016	0.05 to 10 g/100g
391	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Cereals pulses&cereal products	Total protein	IS 7219(1973)/ FSSAI Lab manual : 2016	1 to 95 g/100g
392	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Cereals pulses&cereal products	Weevilled grains	IS 4333 (part 1)(1996)/ FSSAI Lab manual : 2016	0.1 to 50 g/100g
393	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Coffee & Coco products including Black Tea/ Green Tea/ Coffee/ Cocoa and by products / Coffee Powder/ Chicory/ Tea/ Roasted coffee/ Ground coffee/ Soluble coffee Powder	Total Ash	IS 13854-1994/IS 3077: 1992	1 to 25 g/100g
394	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Coffee & Coco products including Black Tea/ Green Tea/ Coffee/ Cocoa and by products / Coffee Powder/ Chicory/ Tea/ Roasted coffee/ Ground coffee/ Soluble coffee Powder	Acid Insoluble Ash	IS 13857: 1993	0.01 to 5 g/100g



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Permanent Facility					
395	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Coffee & Coco products including Black Tea/ Green Tea/ Coffee/ Cocoa and by products / Coffee Powder/ Chicory/ Tea/ Roasted coffee/ Ground coffee/ Soluble coffee Powder	Acid Insoluble Ash	IS 3077 : 1992	0.01 to 5 g/100g
396	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Coffee & Coco products including Black Tea/ Green Tea/ Coffee/ Cocoa and by products / Coffee Powder/ Chicory/ Tea/ Roasted coffee/ Ground coffee/ Soluble coffee Powder	Alkalinity of soluble Ash	IS 13856-1993/ IS 3077: 1993	0.1 to 10 g
397	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Coffee & Coco products including Black Tea/ Green Tea/ Coffee/ Cocoa and by products / Coffee Powder/ Chicory/ Tea/ Roasted coffee/ Ground coffee/ Soluble coffee Powder	Arsenic	ETL/INS/SOP/001 Issue No .01(SEP-03): 2016	20 to 1000



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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
Permanent Facility					
398	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Coffee & Coco products including Black Tea/ Green Tea/ Coffee/ Cocoa and by products / Coffee Powder/ Chicory/ Tea/ Roasted coffee/ Ground coffee/ Soluble coffee Powder	Copper	ETL/INS/SOP/001 Issue No 01 (SEP-03): 2016	0.25 to 50 mg/kg
399	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Coffee & Coco products including Black Tea/ Green Tea/ Coffee/ Cocoa and by products / Coffee Powder/ Chicory/ Tea/ Roasted coffee/ Ground coffee/ Soluble coffee Powder	Crude Fibre	ETL/CFL/SOP/002 Issue no 01(SEP-03): 2016	1 to 25 g/100g
400	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Coffee & Coco products including Black Tea/ Green Tea/ Coffee/ Cocoa and by products / Coffee Powder/ Chicory/ Tea/ Roasted coffee/ Ground coffee/ Soluble coffee Powder	Lead	ETL/INS/SOP/001 Issue No 01(SEP-03): 2016	0.25 to 50 mg/kg



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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
Permanent Facility					
401	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Coffee & Coco products including Black Tea/ Green Tea/ Coffee/ Cocoa and by products / Coffee Powder/ Chicory/ Tea/ Roasted coffee/ Ground coffee/ Soluble coffee Powder	Moisture	IS 3077: 1992	0.01 to 25 g/100g
402	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Coffee & Coco products including Black Tea/ Green Tea/ Coffee/ Cocoa and by products / Coffee Powder/ Chicory/ Tea/ Roasted coffee/ Ground coffee/ Soluble coffee Powder	Moisture	IS 13853: 1994	0.01 to 25 g/100g
403	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Coffee & Coco products including Black Tea/ Green Tea/ Coffee/ Cocoa and by products / Coffee Powder/ Chicory/ Tea/ Roasted coffee/ Ground coffee/ Soluble coffee Powder	Solubility in Boiling water	IS 2791 : 1992	Qualitative



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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
Permanent Facility					
404	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Coffee & Coco products including Black Tea/ Green Tea/ Coffee/ Cocoa and by products / Coffee Powder/ Chicory/ Tea/ Roasted coffee/ Ground coffee/ Soluble coffee Powder	Solubility in Cold water	IS 2791: 1992	Qualitative
405	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Coffee & Coco products including Black Tea/ Green Tea/ Coffee/ Cocoa and by products / Coffee Powder/ Chicory/ Tea/ Roasted coffee/ Ground coffee/ Soluble coffee Powder	Total Ash	IS 3077: 1992	1 to 25 g/100g
406	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Coffee & Coco products including Black Tea/ Green Tea/ Coffee/ Cocoa and by products / Coffee Powder/ Chicory/ Tea/ Roasted coffee/ Ground coffee/ Soluble coffee Powder	Water soluble Ash	IS 3077: 1992	1 to 90 g/100g



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Permanent Facility					
407	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Coffee & Coco products including Black Tea/ Green Tea/ Coffee/ Cocoa and by products / Coffee Powder/ Chicory/ Tea/ Roasted coffee/ Ground coffee/ Soluble coffee Powder	Water soluble Ash	IS 13855: 1993	1 to 90 g/100g
408	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Coffee & Coco products including Black Tea/ Green Tea/ Coffee/ Cocoa and by products / Coffee Powder/ Chicory/ Tea/ Roasted coffee/ Ground coffee/ Soluble coffee Powder	Water soluble Extract	IS 3077: 1992	20 to 70 g/100g
409	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Coffee & Coco products including Black Tea/ Green Tea/ Coffee/ Cocoa and by products / Coffee Powder/ Chicory/ Tea/ Roasted coffee/ Ground coffee/ Soluble coffee Powder	Water soluble Extract	IS 13862: 1999	20 to 70 g/100g
410	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible oils & fats	Acid value	IS 548 (Part 1): 1964	0.01 to 20



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Permanent Facility					
411	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible oils & fats	Butyro Refractometer reading	IS 548 (part 1) : 1964	10 to 80
412	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible oils & fats	Iodine value	IS 548 (Part 1): 1964	7.5 to 250
413	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible oils & fats	Moisture & volatile matter	IS 548 (part 1): 1964	0.01 to 2 g/100g
414	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible oils & fats	peroxide value	IS 548 (part 1): 1964	0.5 to 50 meq/kg
415	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible oils & fats	Refractive index	IS 548 (part 1): 1964	1.3330 to 1.5700
416	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible oils & fats	Saponification value	IS 548 (part 1): 1964	168 to 300
417	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible oils & fats	Unsaponifiable Matter	IS 548 (part 1): 1964	0.1 to 15 g/100g
418	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Fruit & Fruit products	Acid insoluble ash	IS 13846: 2009	0.01 to 3 g/100g
419	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Fruit & Fruit products	Added wax coating	ETL/CFL/SOP/003 Issue No 01(SEP-03) : 2016	Qualitative



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Permanent Facility					
420	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Fruit & Fruit products	Moisture	FSSAI Manual pp(34-37): 2016	0.5 to 90 g/100g
421	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Fruit & Fruit products	Rodent Contamination	ETL/CFL/SOP/004 Issue No.01(SEP-03): 2016	Qualitative
422	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Fruit & Fruit products	Rotting	ETL/CFL/SOP/004 Issue .No 01(SEP-03): 2016	Qualitative
423	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Fruit & Fruit products	Total Ash	FSSAI Manual (p 41-42): 2016	0.1 to 5 g/100g
424	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Fruit & Fruit products	Mould	ETL/CFL/SOP/005 Issue No 01 (SEP-03): 2016	Qualitative
425	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Fruits and vegetables	Acid Insoluble Ash	FSSAI Manual: Fruits and vegetables: 2016	0.01 to 2 g/100g
426	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Herbs, spices & condiments	Arsenic	ETL/INS/SOP/001 Issue No.01 Issue date September 03: 2016	20 to 1000 µg/kg
427	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Herbs, spices & condiments	Cadmium	ETL/INS/SOP/001 Issue No.01 Issue date September 03: 2016	0.1 to 50 mg/kg
428	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Herbs, spices & condiments	Copper	ETL/INS/SOP/001 Issue No.01 Issue date September 03: 2016	0.25 to 50 mg/kg



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Permanent Facility					
429	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Herbs, spices & condiments	Lead	ETL/INS/SOP/001 Issue No.01 Issue date september 03: 2016	0.25 to 50 mg/kg
430	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Herbs, spices & condiments	Salt as NaCl	IS 1797: 1985	1 to 50 g/100g
431	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Herbs, spices & condiments	Zinc	ETL/INS/SOP/001 Issue No.01 Issue date September 03: 2016	0.1 to 50 mg/kg
432	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Herbs, Spices& condiments	Potassium Chromate	FSSAI Manual: 2016	Qualitative
433	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Herbs,Spices & Condiments	Alcohol Soluble Extract	IS 1797 : 1985	1 to 25 g/100g
434	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Herbs,spices&condiments	Ash insoluble in dilute HCL	IS 1797: 1985	0.01 to 5 g/100g
435	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Herbs,spices&condiments	Cold water soluble Extract	IS 1797: 1985	0.01 to 20 g/100g
436	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Herbs,spices&condiments	Crude fibre	IS 1797: 1985	0.1 to 30 g/100g
437	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Herbs,spices&condiments	Damaged /Discolored unit	IS 3579: 1966	0.01 to 20 g/100g



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Permanent Facility					
438	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Herbs,spices&condiments	Damaged /Discolored unit	IS 4333 : 1996	0.01 to 20 g/100g
439	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Herbs,spices&condiments	Extraneous Matter	IS 4333 (part 1): 1996	0.01 to 20 g/100g
440	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Herbs,spices&condiments	Insect damaged matter	IS 4333 (part 1): 1996	0.01 to 20 g/100g
441	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Herbs,spices&condiments	Live & Dead insects fragments	IS 4333 (part 1): 1996	Qualitative
442	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Herbs,spices&condiments	Moisture	IS 1797: 1985	0.1 to 50 g/100g
443	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Herbs,spices&condiments	Non volatile Ether extract	IS 1797: 1985	1 to 50 g/100g
444	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Herbs,spices&condiments	Protein	IS 7219: 1973	1 to 50 g/100g
445	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Herbs,spices&condiments	Rodent Hair & Excreta	FSSAI Manual (p.2): 2016	Qualitative
446	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Herbs,spices&condiments	Total ash	IS 1797: 1985	0.1 to 30 g/100g



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Permanent Facility					
447	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Herbs,spices&condiments	Volatile oil	IS 1797: 1985	1 to 10 ml/100g
448	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Honey & honey products	Acidity as formic acid	IS 4941: 1994	0.01 to 1 g/100g
449	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Honey & honey products	Ash	IS 4941: 1994	0.1 to 2 g/100g
450	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Honey & honey products	Fiehe's test	IS 4941: 1994	Qualitative
451	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Honey & honey products	Fructose and Glucose ratio (F/G Ratio)	IS 4941: 1994	0.5 to 2
452	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Honey & honey products	Moisture	IS 4941: 1994	1 to 30 g/100g
453	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Honey & honey products	Specific gravity at 27°C	IS 4941: 1994	1.0 to 1.9
454	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Honey & honey products	Sucrose	IS 4941: 1994	1 to 20 g/100g
455	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Honey & honey products	Total reducing sugars	IS 4941: 1994	5 to 98 g/100g



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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
Permanent Facility					
456	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Infant Foods	Arsenic	ETL/INS/SOP/001 Issue No.01 Issue date September 03: 2016	20 to 1000 µg/kg
457	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Infant Foods	Ash insoluble in dil.HCl, % by wt	IS 1165: 2002	0.05 to 10 g/100g
458	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Infant Foods	Cadmium	ETL/INS/SOP/001 Issue No.01 Issue date September 03: 2016	0.1 to 50 mg/kg
459	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Infant Foods	Lead	ETL/INS/SOP/001 Issue No.01 Issue date September 03: 2016	0.25 to 50 mg/kg
460	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Infant Foods	Milk fat % by wt	IS 11721: 2013	1 to 30 g/100g
461	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Infant foods	Moisture % by wt	FSSAI Manual: Milk and Milk products: 2016	0.5 to 75 g/100g
462	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Infant Foods	Tin	ETL/INS/SOP/001 Issue No.01 Issue date September 03: 2016	2.0 to 50 mg/kg
463	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Infant Foods	Titration acidity	IS 11766: 1986	0.1 to 12 g/100g
464	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Infant Foods	Total ash % by wt	IS 1165: 2002	1.5 to 7.5 g/100g



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Permanent Facility					
465	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Infant Foods	Total milk protein, % by wt	IS 7219: 1973	10 to 25 g/100g
466	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Jams, Juices, Sauces & Concentrates	Acidity	FSSAI Manual, pp 12-14 : 2016	0.05 to 12.5 g/100g
467	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Jams, Juices, Sauces & Concentrates	Arsenic	ETL/INS/SOP/001 Issue No.01 Issue date September 03: 2016	20 to 1000 tag
468	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Jams, Juices, Sauces & Concentrates	Cadmium	ETL/INS/SOP/001 Issue No.01 Issue date September 03: 2016	0.1 to 50 mg/kg
469	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Jams, Juices, Sauces & concentrates	Copper	ETL/INS/SOP/001 Issue No.01 Issue date September 03: 2016	0.25 to 50 mg/kg
470	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Jams, Juices, Sauces & Concentrates	Lead	ETL/INS/SOP/001 Issue No.01 Issue date September 03: 2016	0.25 to 50 mg/kg
471	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Jams, Juices, Sauces & Concentrates	Mercury	ETL/INS/SOP/001 Issue No.01 Issue date September 03: 2016	20 to 1000 tag
472	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Jams, Juices, Sauces & Concentrates	pH	FSSAI Manual, ,p 11-12 : 2016	1 to 14
473	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Jams, Juices, Sauces & Concentrates	Tin	ETL/INS/SOP/001 Issue No.01 Issue date September 03: 2016	2.0 to 50 mg/kg



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Permanent Facility					
474	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Jams, Juices, Sauces & Concentrates	Total Ash	FSSAI Manual ,p 41-42 : 2016	0.1 to 12.5 g/100g
475	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Jams, Juices, Sauces & Concentrates	Total Soluble Solids	FSSAI Manual,pp 4-8 : 2016	2 to 95 g/100g
476	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Jams, Juices, Sauces & concentrates	Zinc	ETL/INS/SOP/001 Issue No.01 Issue date September 03: 2016	0.1 to 50 mg/kg
477	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Jams,juices,sausages & concentrates	Acid insoluble Ash	FSSAI Manual fruits and vegetables: 2016	0.05 to 6 %
478	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk & dairy products	Acid insoluble ash	IS 1165: 2002	0.05 to 10 g/100g
479	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk & dairy products	Arsenic	ETL/INS/SOP/001 Issue No.01 Issue Date September 03: 2016	20 to 1000 µg/kg
480	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk & dairy products	Cadmium	ETL/INS/SOP/001 Issue No.01 Issue Date September 03: 2016	0.1 to 50 mg/kg
481	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk & dairy products	Lead	ETL/INS/SOP/001 Issue No.01 Issue Date September 03 : 2016	0.25 to 50 mg/kg
482	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk & dairy products	Mercury	ETL/INS/SOP/001 Issue No.01 Issue Date September 03: 2016	20 to 1000 µg/kg



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Permanent Facility					
483	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk & dairy products	Milk fat	FSSAI Manual, p37-44: 2016	1 to 30 g/100g
484	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk & dairy products	Milk Protein	IS 7219: 1973	10 to 25 g/100g
485	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk & dairy products	Moisture	FSSAI Manual, Milk and Milk products: 2016	0.5 to 75 g/100g
486	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk & dairy products	pH	IS 4238: 1967	1 to 14
487	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk & dairy products	Solids Not Fat	AOAC (19th Edition) 990.21: Page. 40, Chapter 33: 2012	5 to 80 g/100g
488	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk & dairy products	Solids Not Fat	IS1479(P-2)-1961/IS12333: 1997	5 to 80 g/100g
489	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk & dairy products	Sucrose	FSSAI Manual milk and Milk products, p 71-76: 2016	1 to 65 g/100g
490	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk & dairy products	Tin	ETL/INS/SOP/001 Issue No.01 Issue Date September 03: 2016	2 to 50 mg/kg
491	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk & dairy products	Titrateable Acidity	IS 11766: 1986	0.1 to 12 g/100g



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Permanent Facility					
492	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk & dairy products	Total Ash	IS1479(P-2)-1961/IS 1165: 2002	1.5 to 7.5
493	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk & dairy products	Total Solids	FSSAI Manual, p 68-70: 2016	5 to 50 g/100g
494	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Nuts & nut products	Acidity of Extracted Fat as Oleic Acid	IS 15271: 2003	0.2 to 25 g/100g
495	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Nuts & nut products	Acidity of Extracted Fat as Oleic Acid	IS 4684: 1975	0.2 to 25 g/100g
496	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Nuts & nut products	Ash	IS 4684: 1975	0.1 to 15 g/100g
497	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Nuts & nut products	Crude Fat	AOAC (19th Edition) 948.22: Page. 01, Chapter 40: 2012	1 to 65 g/100g
498	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Nuts & nut products	Crude Fiber	ETL/CFL/SOP/002 Issue No.01 Issue Date September 03: 2016	1 to 85
499	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Nuts & nut products	Crude Protein	AOAC (19th Edition) 950.48: Page. 01, Chapter 40: 2012	0.2 to 75 g/100g
500	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Nuts & nut products	Extraneous Matter	IS 4333 (Part 1): 1996	0 to 3 g/100g



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Permanent Facility					
501	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Nuts & nut products	Insects Fragments	IS 6261: 1971	Qualitative
502	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Nuts & nut products	Moisture	IS 4684: 1975	1 to 25 g/100g
503	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Nuts & nut products	Rodent Hair & Excreta	AOAC (19th Edition) 941.16: Page. 22, Chapter 16: 2012	Qualitative
504	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Pet Food	Moisture	IS 7874 (Part 1): 1975	1 to 20 %
505	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Pet Foods	Acid insoluble ash	IS 7874 (Part 1): 1975	0.01 to 5 g/100g
506	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Pet Foods	Crude fat	IS 7874 (Part 1): 1975	0.1 to 25 g/100g
507	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Pet Foods	Crude fiber	IS 7874 (Part 1): 1975	0.1 to 30 g/100g
508	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Pet Foods	Crude Protein	IS 7874 (Part 1): 1975	1 to 50 g/100g
509	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Pet Foods	Total Ash	IS 7874 (Part 1): 1975	0.1 to 50 g/100g



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Permanent Facility					
510	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Pickel	Acidity	FSSAI Manual,Fruit and vegetable products, p.44: 2016	0.1 to 5 g/100g
511	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Pickel	Salt as NaCl	FSAI Manual,Fruit and vegetable products p-9: 2016	0.1 to 50 %
512	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Pickle	pH	FSSAI Manual,Fruit and vegetable products,p-11: 2016	1 to 14
513	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Salt	Matter insoluble in water	IS 7224: 2006	0.1 to 10 g/100g
514	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	salt	Matter Soluble in Water Other than NaCl	IS 7224: 2006	0.5 to 10 g/100g
515	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Salt	Moisture	IS 7224: 2006	0.1 to 25 g/100g
516	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Salt	NaCl	IS 253: 1985	75 tag%
517	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	salt	pH	IS 12981 : 1991	4 to 14
518	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Salt	Sulphates	IS 7224: 2006	2 to 100 mg/kg



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Permanent Facility					
519	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Starch and Starch products	Cold water soluble	IS 4706 (Part 1): 1978	0.05 to 70
520	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Starch and Starch products	Crude Fiber	IS 4706 (Part 2): 1978	0.1 to 25 g/100g
521	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Starch and Starch products	Free Acidity	IS 4706 (Part 2): 1978	0.05 to 10 g/100g
522	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Starch and Starch products	Moisture	IS 4706 (Part 1): 1978	1 to 50 g/100g
523	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Starch and Starch products	pH	IS 4706 (Part 2): 1978	2 to 10
524	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Starch and Starch products	Protein	IS 4706 (Part 2): 1978	1 to 25 g/100g
525	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Starch and Starch products	Starch	IS 4706 (Part 2): 1978	1 to 99 g/100g
526	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Starch and Starch products	Sulphated ash	IS 4706 (Part 2): 1978	0.1 to 10 g/100g
527	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Starch and Starch products	Sulphur Dioxide	IS 4706 (Part 2): 1978	10 to 2500 mg/kg



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Permanent Facility					
528	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Starch and Starch products	Total ash	IS 4706 (Part 2): 1978	0.1 to 5 g/100g
529	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Sugar & Sugar products	Acid insoluble ash	IS 15279: 2003	0.01 to 5 g/100g
530	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Sugar & Sugar products	Acidity	IS 4941: 1994	0.1 to 5 g/100g
531	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Sugar & Sugar products	Acidity of extracted fat	IS 2650: 1975	0.01 to 2 g/100g
532	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Sugar & Sugar products	Arsenic	ETL/INS/SOP/001 Issue No 01 (SEPTEMBER-03): 2016	20 to 1000 µg/kg
533	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Sugar & Sugar products	Cadmium	ETL/INS/SOP/001 Issue No 01 (SEPTEMBER-03): 2016	0.1 to 50 µg/kg
534	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Sugar & Sugar products	Copper	ETL/INS/SOP/001 Issue No 01 (SEPTEMBER-03): 2016	0.25 to 50 mg/kg
535	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Sugar & Sugar products	Lead	ETL/INS/SOP/001 Issue No.01 Issue Date September 03: 2016	0.25 to 50 mg/kg



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Permanent Facility					
536	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Sugar & Sugar products	Mercury	ETL/INS/SOP/001 Issue No 01 (SEPTEMBER-03): 2016	20 to 1000 mg/kg
537	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Sugar & Sugar products	Moisture	IS 4941: 1994	0.1 to 30 g/100g
538	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Sugar & Sugar products	Moisture	AOAC (19th Edition) 925.45: Page. 1, Chapter 44: 2012	0.1 to 30
539	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Sugar & Sugar products	pH	AOAC (19th Edition) 981.12: Page. 2, Chapter 42: 2012	2 to 10
540	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Sugar & Sugar products	Reducing sugar	IS 4941: 1994	0.2 to 100 g/100g
541	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Sugar & Sugar products	Sucrose	IS 4941: 1994	2 to 99 g/100g
542	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Sugar & Sugar products	Sulphated Ash	IS 15279: 2003	0.01 to 5 g/100g
543	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Sugar & Sugar products	Sulphur dioxide	IS15279: 2003	10 to 2500 mg/kg
544	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Sugar & Sugar products	Tin	ETL/INS/SOP/001 Issue No 01 (SEPTEMBER-03): 2016	2.0 to 50 mg/kg



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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
Permanent Facility					
545	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Sugar & Sugar products	Total Ash	IS 4941: 1994	0.01 to 10 g/100g
546	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Sugar & Sugar products	Zinc	ETL/INS/SOP/001 Issue No 01 (SEPTEMBER-03): 2016	0.1 to 50 mg/kg
547	CHEMICAL- POLLUTION & ENVIRONMENT	Particle size of soil	clay	Bouyoucos G.J.Hydrometer method improved for making particle size analysis of soil.Argon.J.54-464- 465: 1962	1 % to 100 %
548	CHEMICAL- POLLUTION & ENVIRONMENT	Wastes (Liquid/Slurry/Sludge/Solid/Semi-Solid)	Barium as Ba	EPA 3050B/EPA 7000B: 1996	0.5 to 1000 mg/Kg
549	CHEMICAL- POLLUTION & ENVIRONMENT	Wastes (Liquid/Slurry/Sludge/Solid/Semi-Solid)	Boran	ETL/CHL/SOP/006, Issue No.1, Issue Date.19.06.2019 (Based on FAO Book): 2007	5.0 to 1000 mg/Kg
550	CHEMICAL- POLLUTION & ENVIRONMENT	Wastes (Liquid/Slurry/Sludge/Solid/Semi-Solid)	Cadmium	EPA 3050B/EPA 7130/EPA 7000B: 1996	0.5 to 1000 mg/kg
551	CHEMICAL- POLLUTION & ENVIRONMENT	Wastes (Liquid/Slurry/Sludge/Solid/Semi-Solid)	Calorific Value	ASTM D 240-02 / IS:10158: 2007	100 to 1000 cal/g



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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
Permanent Facility					
552	CHEMICAL- POLLUTION & ENVIRONMENT	Wastes (Liquid/Slurry/Sludge/Solid/Semi-Solid)	Carbonate and Bicarbonate	ETL/CHL/SOP/007 Issue No.1, Issue Date: 19.06.2019 (Based on FAO book): 2007	3 to 500 mg/kg
553	CHEMICAL- POLLUTION & ENVIRONMENT	Wastes (Liquid/Slurry/Sludge/Solid/Semi-Solid)	Chloride	ETL/CHL/SOP/008 Issue No.1, Issue Date: 19.06.2019 (Based on FAO book): 2007	5 to 2500 mg/Kg
554	CHEMICAL- POLLUTION & ENVIRONMENT	Wastes (Liquid/Slurry/Sludge/Solid/Semi-Solid)	Copper	EPA 3050B/EPA 7000B: 1996	0.1 to 1000 mg/kg
555	CHEMICAL- POLLUTION & ENVIRONMENT	Wastes (Liquid/Slurry/Sludge/Solid/Semi-Solid)	Lead	EPA 3050B/EPA 7420/EPA 7000B: 1996	0.5 to 1000 mg/kg
556	CHEMICAL- POLLUTION & ENVIRONMENT	Wastes (Liquid/Slurry/Sludge/Solid/Semi-Solid)	Manganese	EPA 3050B/EPA 7000B: 1996	1.0 to 1000 mg/kg
557	CHEMICAL- POLLUTION & ENVIRONMENT	Wastes (Liquid/Slurry/Sludge/Solid/Semi-Solid)	Phosphorous	IS 10158-1982 (RA 2003): 2007	5.0 to 1000 mg/Kg
558	CHEMICAL- POLLUTION & ENVIRONMENT	Wastes (Liquid/Slurry/Sludge/Solid/Semi-Solid)	SAR	ETL/CHL/SOP/04 Issue No:03 September 03: 2016	5 to 1000 meq/kg
559	CHEMICAL- POLLUTION & ENVIRONMENT	Wastes (Liquid/Slurry/Sludge/Solid/Semi-Solid)	Selenium	EPA 3050B: 1996	5 to 1000



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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
Permanent Facility					
560	CHEMICAL- POLLUTION & ENVIRONMENT	Wastes (Liquid/Slurry/Sludge/Solid/Semi-Solid)	Silicon	ETL/CHL/SOP/009 Issue No.1, Issue Date: 19.06.2019 (Based on FAO book): 2013	0.1 to 99 %
561	CHEMICAL- POLLUTION & ENVIRONMENT	Wastes (Liquid/Slurry/Sludge/Solid/Semi-Solid)	Soluble Calcium	ETL/CHL/SOP/010 Issue No.1, Issue Date: 19.06.2019 (Based on FAO book): 2007	10 to 500 mg/kg
562	CHEMICAL- POLLUTION & ENVIRONMENT	Wastes (Liquid/Slurry/Sludge/Solid/Semi-Solid)	Soluble Magnesium	ETL/CHL/SOP/011 Issue No.1, Issue Date: 19.06.2019 (Based on FAO book): 2007	10 to 500 mg/Kg
563	CHEMICAL- POLLUTION & ENVIRONMENT	Wastes (Liquid/Slurry/Sludge/Solid/Semi-Solid)	Soluble Potassium	IS 10158-1982 (RA 2003) / IS 9497: 1980: 2007	5 to 500 mg/kg
564	CHEMICAL- POLLUTION & ENVIRONMENT	Wastes (Liquid/Slurry/Sludge/Solid/Semi-Solid)	Soluble Sodium	IS 9497 : 1980: 2007	5 to 500 mg/kg
565	CHEMICAL- POLLUTION & ENVIRONMENT	Wastes (Liquid/Slurry/Sludge/Solid/Semi-Solid)	Total Nitrogen	IS : 14864: 1999	0.01 to 10 %w/w
566	CHEMICAL- POLLUTION & ENVIRONMENT	Wastes (Liquid/Slurry/Sludge/Solid/Semi-Solid)	Total Soluble Sulphates	IS : 2720 (Part 27): 1977	5 to 500 mg/kg
567	CHEMICAL- POLLUTION & ENVIRONMENT	Wastes (Liquid/Slurry/Sludge/Solid/Semi-Solid)	Total Sulphur	ETL/CHL/SOP/012 Issue No.1, Issue Date: 19.06.2019 (Based on FAO book): 2007	1.0 to 1000 mg/Kg



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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
Permanent Facility					
568	CHEMICAL-POLLUTION & ENVIRONMENT	Wastes (Liquid/Slurry/Sludge/Solid/Semi-Solid)	Volatile and Nonvolatile matter	IS :10158: 1982	0.1 to 100 %
569	CHEMICAL-POLLUTION & ENVIRONMENT	Wastes (Liquid/Slurry/Sludge/Solid/Semi-Solid)	Water Holding Capacity	IS 14765:2000 Issue No.1, Issue Date: 19.06.2019 (Based on FAO book): 2013	0.1 to 100 ml/L
570	CHEMICAL-POLLUTION & ENVIRONMENT	Wastes (Liquid/Slurry/Sludge/Solid/Semi-Solid)	Zinc	EPA 3050B/EPA 7000B: 1996	1.0 to 1000 mg/kg
571	CHEMICAL-POLLUTION & ENVIRONMENT	Particle size of soil	Sand	Bouyoucos G.J.Hydrometer method improved for making particle size analysis of soil.Argon.J.54-464-465: 1962: 1962	1 to 100 %
572	CHEMICAL-POLLUTION & ENVIRONMENT	Particle size of soil	Silt	Bouyoucos G.J.Hydrometer method improved for making particle size analysis of soil.Argon.J.54-464-465: 1962: 1962	1 % to 100 %
573	CHEMICAL-POLLUTION & ENVIRONMENT	soil	Bulk Density	FAO Page No: 35: 2007	1 to 5 g/cm ³
574	CHEMICAL-POLLUTION & ENVIRONMENT	soil	Particle Density	FAO Page No: 37: 2007	1 to 10 g/cm ³



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Permanent Facility					
575	CHEMICAL- POLLUTION & ENVIRONMENT	soil	Porosity	FAO Page NO:39: 2007	1 % to 100 %
576	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediment	Selenium	EPA 3050B: 1996	5 to 1000 µg/kg
577	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediment	Zinc	EPA 3050B/EPA 700B: 1996	1.0 to 1000 mg/kg
578	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Barium as Ba	EPA 3050B/EPA 7000B: 2007	0.5 to 1000 mg/kg
579	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Boron	FAO Page 90: 2007	5 to 1000 mg/kg
580	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Cadmium	EPA 3050B/EPA 7130/EPA7000B: 1996	0.5 to 1000 mg/kg
581	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Calorific value	ASTM D 240-02/ IS 10158: 1982	100 to 1000 cal/g
582	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Carbonate and Bicarbonate	FAO (Page No.46): 2007	3 to 500 mg/kg
583	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Cation Exchange Capacity	IS 2720 (part 24): 1976	3 to 100 meq/100g



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Permanent Facility					
584	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Chloride	FAO (Page No.48): 2007	5 to 2500 mg/kg
585	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Chromium	EPA 3050B/EPA 7090/EPA 7000B: 1996	1.0 to 1000 mg/kg
586	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Copper	EPA 3050B/EPA 7000B: 1996	0.1 to 1000 mg/kg
587	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Iron	EPA 200.8/EPA 7000B: 1994	0.5 to 10000 mg/kg
588	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Lead	EPA 3050B/EPA 7420/EPA 7000B: 1996	0.5 to 1000 mg/kg
589	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Manganese	EPA 3050B/EPA 7000B: 1996	1.0 to 1000 mg/kg
590	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Nickel	EPA 3050B/EPA 7000B: 1996	1.0 to 1000 mg/kg
591	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Organic Carbon	IS 2720 (Part 22) By Calculation: 1972	0.1 to 10 %w/w
592	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Organic Matter	ICARDA (Page No 74): 2013	0.1 to 10 %w/w



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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
Permanent Facility					
593	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Organic Matter	IS 2720 (part 22) : 1972	0.1 to 10 %w/w
594	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	pH (40% Aqueous Suspension)	IS 2720 (Part 26): 1987	1 to 12
595	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Phosphorus	FAO Page 73: 2007	5 to 1000 mg/kg
596	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	SAR	ETL/CHL/SOP/04 Issue No:03 September 03: 2016	5 to 1000 meq/kg
597	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Silicon	ICARDA (Page No: 160): 2013	0.1 to 99 %
598	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Soluble Calcium	FAO (Page No 44): 2007	10 to 500 mg/Kg
599	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Soluble Magnesium	FAO (Page No 44): 2007	10 to 500 mg/Kg
600	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Soluble Potassium	FAO (Page No 44): 2007	5 to 500 mg/Kg
601	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Soluble Sodium	FAO (page No 44): 2007	5 to 500 mg/Kg



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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
Permanent Facility					
602	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Specific Electrical Conductivity	IS 14767: 2016	0.001 to 200 mS/cm
603	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Total Nitrogen	IS 14864: 1999	0.01 to 10 %w/w
604	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Total Soluble Sulphates	IS 2720 (part 27): 1977	5 to 500 mg/Kg
605	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Total Sulphur	FAO page 80: 2007	1 to 1000 mg/kg
606	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Volatile and Nonvolatile matter	IS 10158: 1982	0.1 to 100 %
607	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Water Content	IS 2720 (Part 2) : 1973	1 to 50 %w/w
608	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/sediments	Water Holding Capacity	ICARDA page 28: 2013	0.1 to 100 ml/L
609	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Barium as Ba	IS : 13428-Annex-F: 2005	0.5 to 100 mg/L
610	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Boron as B	APHA 23rd Edn-4500-B-B: 2017	0.2 to 50 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
Permanent Facility					
611	CHEMICAL-POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Carbonate and Bicarbonate as CaCO ₃	IS : 3025 (Part 51): 2001	2 to 5000 mg/L
612	CHEMICAL-POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Chemical Oxygen Demand	IS : 3025 (Part 58) : 2006	4 to 10000 mg/L
613	CHEMICAL-POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Chlorine Demand	IS : 3025 (Part 25): 1986	0.2 to 100 mg/L
614	CHEMICAL-POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Cyanide	IS : 3025 (Part 27): 1986	0.02 to 2.0 mg/L
615	CHEMICAL-POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Fluoride as F-	APHA 23rd Edn -4500-F-D: 2017	0.2 to 500 mg/L
616	CHEMICAL-POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Hexavalent Chromium as Cr	IS : 3025 (Part 52): 2003	0.2 to 50 mg/L
617	CHEMICAL-POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Magnesium as Mg	APHA 23rd Edn -3500 Mg-B: 2017	1 to 2000 mg/L
618	CHEMICAL-POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Nitrate as NO ₃	IS : 3025 (Part 34): 1988	1 to 50 mg/L
619	CHEMICAL-POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Potassium as K	IS : 3025 (Part 45): 1993	1 to 5000 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
Permanent Facility					
620	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Selenium	APHA 23rd Edn/IS : 3025 (Part 56): 2017	1 to 10000 µg/L
621	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Sodium as Na	IS : 3025 (Part 45): 1993	1 to 5000 mg/L
622	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Sulphide	IS : 3025 (Part 29): 1986	1 to 50 mg/L
623	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Aluminium	IS : 3025 (part 55): 2003	0.5 to 50 mg/L
624	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Antimony	APHA 23rd Edn /IS : 13428: 2017	1 to 10000 µg/L
625	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Antimony	IS : 15303: 2003	1 to 10000 µg/L
626	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Arsenic	APHA 23rd Edn / IS : 3025 (Part 37): 2017	4 to 10000 µg/L
627	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Cadmium	APHA 23rd Edn/IS : 3025 (Part 41): 2017	0.02 to 100 mg/L
628	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Chromium	IS : 3025 (Part 52)/APHA 23rd Edn: 2017	0.05 to 50 mg/L



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Permanent Facility					
629	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Copper	APHA 23rd Edn /IS : 3025 (Part 42): 2017	0.05 to 50 mg/L
630	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Iron	APHA 23rd Edn /IS : 3025 (Part 53): 2017	0.1 to 50 mg/L
631	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Lead	APHA 23rd Edn/IS : 3025 (Part 47): 2017	0.05 to 100 mg/L
632	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Manganese	APHA 23rd Edn/ IS : 3025 (Part 59): 2017	0.1 to 50 mg/L
633	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Mercury	APHA 23rd Edn/IS : 3025 (Part 48): 2017	1.0 to 10000 µg/L
634	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Nickel	APHA 23rd Edn/IS : 3025 (Part 54): 2017	0.02 to 50 mg/L
635	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Silver	APHA 23rd Edn/IS :13428 Annex J: 2017	0.1 to 100 mg/L
636	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Zinc	APHA 23rd Edn/IS : 3025 (Part 49): 2017	0.02 to 250 mg/L
637	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Acidity as CaCO ₃	APHA 23rd Edn -2310- B: 2017	2 to 1000 mg/L



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Permanent Facility					
638	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Alkalinity as CaCO ₃	APHA 23rd Edn-2320 B: 2017	2 to 5000 mg/L
639	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Ammonical Nitrogen as NH ₃ -N	APHA 23rd Edn -4500 NH ₃ -C: 2017	5 to 1000 mg/L
640	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Biochemical Oxygen Demand @27°C for 3 Days	IS : 3025 (Part 44): 1993	2 to 1000 mg/L
641	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Calcium as Ca	APHA 23rd Edn-3500 Ca-B: 2017	1 to 2000 mg/L
642	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Chloride as Cl	IS : 3025 (Part 32): 1988	1 to 5000 mg/L
643	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Colour	APHA 23rd Edn. 2120 C: 2017	Qualitative
644	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Dissolved Oxygen	IS : 3025 (Part 38): 1989	1 to 8.5 mg/L
645	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Fixed Solids	APHA 23rd Edn-2540 E: 2017	10 to 10000 mg/L
646	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Free Residual Chlorine	IS : 3025 (Part 26) : 1986	0.2 to 100 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
Permanent Facility					
647	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Hardness as CaCO ₃	APHA 23rd Edn - 2340C: 2017	2 to 10000 mg/L
648	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Nitrite Nitrogen NO ₂ -N	APHA 23rd Edn -4500 NO ₂ -B: 2017	0.1 to 100 mg/L
649	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Odour	IS :3025(Part 5) : 1983	Qualitative
650	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Oil and Grease	IS : 3025 (Part 39): 1991	4 to 100 mg/L
651	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	pH@25°C	IS :3025 (Part 11): 1983	1 to 12
652	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Phenolic Compounds as C ₆ H ₅ OH	IS : 3025 (Part 43): 1992	0.001 to 10 mg/L
653	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Phosphorous as P	IS : 3025 (Part 31): 1988	0.2 to 1000 mg/L
654	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Settleable Solids	APHA 23rd Edn - 2540F: 2017	0.1 to 40 ml/L
655	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Silica as SiO ₂	IS : 3025 (Part 35) : 1988	0.2 to 500 mg/L



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Permanent Facility					
656	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Specific Conductance25°C	IS : 3025 (Part 14): 2013	1 to 50,000 µS/cm
657	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Sulphates as SO4	APHA 23rd Edn-4500 - E: 2017	1 to 5000 mg/L
658	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Sulphites as SO3	IS : 3025 (Part 28): 1986	2 to 1000 mg/L
659	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Temperature	APHA 23rd Edn- 2550B: 2017	1 to 50 °C
660	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Total Dissolved Solids	APHA 23rd Edn.2540- C/IS : 3025(Part-16): 2017	1 to 10000 mg/L
661	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Total Kjeldahl Nitrogen as N	APHA 23rd Edn -4500 Norg-B: 2017	2 to 1000 mg/L
662	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Total Solids	APHA 23rd Edn.-2540- B: 2017	1 to 10000 mg/L
663	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Total Suspended Solids	APHA 23rd Edn.2540- D: 2017	2 to 1000 mg/L
664	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Turbidity	IS :3025 (Part 10) : 1984	1 to 999 NTU



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Permanent Facility					
665	CHEMICAL-POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Volatile Solids	APHA 23rd Edn - 2540 E: 2017	10 to 10000 mg/L
666	CHEMICAL-POLLUTION & ENVIRONMENT	Wastes (Liquid/Slurry/Sludge/Solid/Semi-Solid)	Cation Exchange Capacity	IS : 2720 (Part 24): 1976	3 to 100 meq/100g
667	CHEMICAL-POLLUTION & ENVIRONMENT	Wastes (Liquid/Slurry/Sludge/Solid/Semi-Solid)	Chromium	EPA 3050B/EPA 7090/EPA 7000B: 1996	1.0 to 1000 mg/kg
668	CHEMICAL-POLLUTION & ENVIRONMENT	Wastes (Liquid/Slurry/Sludge/Solid/Semi-Solid)	Iron	EPA 200.8/EPA 7000B: 1994	0.5 to 10000 mg/kg
669	CHEMICAL-POLLUTION & ENVIRONMENT	Wastes (Liquid/Slurry/Sludge/Solid/Semi-Solid)	Nickel	EPA 3050B/ EPA 7000B: 1996	1.0 to 1000 mg/kg
670	CHEMICAL-POLLUTION & ENVIRONMENT	Wastes (Liquid/Slurry/Sludge/Solid/Semi-Solid)	Organic Matter	IS : 2720 (Part 22): 1972	0.1 to 10 %w/w
671	CHEMICAL-POLLUTION & ENVIRONMENT	Wastes (Liquid/Slurry/Sludge/Solid/Semi-Solid)	pH (40% Aqueous Suspension)	IS: 2720 (Part 26): 1987	1 to 12
672	CHEMICAL-POLLUTION & ENVIRONMENT	Wastes (Liquid/Slurry/Sludge/Solid/Semi-Solid)	Specific Electrical Conductivity	IS 14767 (Electrometric Method): 2016	0.001 to 200 mS/cm
673	CHEMICAL-POLLUTION & ENVIRONMENT	Wastes (Liquid/Slurry/Sludge/Solid/Semi-Solid)	Water Content	IS : 9235:1979/ ASTM D 3173-II: 1979	1 to 50 %w/w



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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
Permanent Facility					
674	CHEMICAL-RESIDUES IN WATER	Pesticide	Endosulphan sulphate	USEPA-525.2/ETL/INS/SOP/003: 2016	0.01 to 100 µg/l
675	CHEMICAL-RESIDUES IN WATER	Pesticide	4,4-DDE	USEPA-525.2/ETL/INS/SOP/003: 2016	0.01 to 100 µg/l
676	CHEMICAL-RESIDUES IN WATER	Pesticide	4,4-DDD	USEPA-525.2/ETL/INS/SOP/003: 2016	0.01 to 100 µg/l
677	CHEMICAL-RESIDUES IN WATER	Pesticide	4,4-DDT	USEPA-525.2/ETL/INS/SOP/003: 2016	0.01 to 100 µg/l
678	CHEMICAL-RESIDUES IN WATER	Pesticide	Aldrin	USEPA-525.2/ETL/INS/SOP/003: 2016	0.01 to 100 µg/l
679	CHEMICAL-RESIDUES IN WATER	Pesticide	Alpha chlordane	USEPA-525.2/ETL/INS/SOP/003: 2016	0.01 to 100 µg/l
680	CHEMICAL-RESIDUES IN WATER	Pesticide	Dieldrin	USEPA-525.2/ETL/INS/SOP/003: 2016	0.01 to 100 µg/l
681	CHEMICAL-RESIDUES IN WATER	Pesticide	Endosulphan I	USEPA-525.2/ETL/INS/SOP/003: 2016	0.01 to 100 µg/l
682	CHEMICAL-RESIDUES IN WATER	Pesticide	Endosulphan II	USEPA-525.2/ETL/INS/SOP/003: 2016	0.01 to 100 µg/l



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Permanent Facility					
683	CHEMICAL-RESIDUES IN WATER	Pesticide	Endrin	USEPA-525.2/ETL/INS/SOP/003: 2016	0.01 to 100 µg/l
684	CHEMICAL-RESIDUES IN WATER	Pesticide	Endrin aldehyde	USEPA-525.2/ETL/INS/SOP/003: 2016	0.01 to 100 µg/l
685	CHEMICAL-RESIDUES IN WATER	Pesticide	Endrin ketone	USEPA-525.2/ETL/INS/SOP/003: 2016	0.01 to 100 µg/l
686	CHEMICAL-RESIDUES IN WATER	Pesticide	Gamma chordane	USEPA-525.2/ETL/INS/SOP/003: 2016	0.01 to 100 µg/l
687	CHEMICAL-RESIDUES IN WATER	Pesticide	HCH-Beta	USEPA-525.2/ETL/INS/SOP/003: 2016	0.01 to 100 µg/l
688	CHEMICAL-RESIDUES IN WATER	Pesticide	HCH-Delta	USEPA-525.2/ETL/INS/SOP/003: 2016	0.01 to 100 µg/l
689	CHEMICAL-RESIDUES IN WATER	Pesticide	HCH-Gamma	USEPA-525.2/ETL/INS/SOP/003: 2016	0.01 to 100 µg/l
690	CHEMICAL-RESIDUES IN WATER	Pesticide	Heptachlor	USEPA-525.2/ETL/INS/SOP/003: 2016	0.01 to 100 µg/l
691	CHEMICAL-RESIDUES IN WATER	Pesticide	Heptachlor epoxide	USEPA-525.2/ETL/INS/SOP/003: 2016	0.01 to 100 µg/l



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Permanent Facility					
692	CHEMICAL-RESIDUES IN WATER	Pesticide	methoxy chlor	USEPA-525.2/ETL/INS/SOP/003: 2016	0.01 to 100 µg/l
693	CHEMICAL-RESIDUES IN WATER	Pesticides	HCH-Alpha	USEPA-525.2/ETL/INS/SOP/003: 2016	0.01 to 100 µg/l
694	CHEMICAL-RESIDUES IN WATER	Phenols	Phenolic compounds	IS 3025 (Part 43) : 1992	0.001 to 10 mg/l
695	CHEMICAL-RESIDUES IN WATER	Poly Chlorinated Biphenyl	2,2,3,4,4 5, hexachloro biphenyl	IS 13428: 2005	0.01 to 100 µg/l
696	CHEMICAL-RESIDUES IN WATER	Poly Chlorinated Biphenyl	2,2,3,4,4 5,5 heptachloro biphenyl	IS 13428: 2005	0.01 to 100 µg/l
697	CHEMICAL-RESIDUES IN WATER	Poly Chlorinated Biphenyl	2,2,4,4 5,5 hexachloro biphenyl	IS 13428: 2005	0.01 to 100 µg/l
698	CHEMICAL-RESIDUES IN WATER	Poly Chlorinated Biphenyl	2,2,5,5 tetrachloro biphenyl	IS 13428: 2005	0.01 to 100 µg/l
699	CHEMICAL-RESIDUES IN WATER	Poly Chlorinated Biphenyl	2,4,4 trichloro biphenyl	IS 13428: 2005	0.01 to 100 µg/l
700	CHEMICAL-RESIDUES IN WATER	Poly chlorinated Biphenyl	2,6 dichloro biphenyl	IS 13428 : 2005	0.01 to 100 µg/l
701	CHEMICAL-RESIDUES IN WATER	Trace metal elements	Aluminium	IS 3025 (Part 55): 2003	0.5 to 50 mg/l
702	CHEMICAL-RESIDUES IN WATER	Trace metal elements	Antimony	3114 C APHA 23rd edn Annex G of IS 13428: 2017	1.0 to 100 µg/l
703	CHEMICAL-RESIDUES IN WATER	Trace metal elements	Arsenic	3111 B APHA 23rd edn /IS 3025 (Part 37): 2017	2 to 100 µg/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
Permanent Facility					
704	CHEMICAL-RESIDUES IN WATER	Trace metal elements	Barium as Ba	IS 13428 : 2005	0.5 to 25.0 mg/l
705	CHEMICAL-RESIDUES IN WATER	Trace metal elements	Cadmium	IS 3025 (Part 41)1992/APHA 23rd Edn 3111B: 2017	0.02 to 100 mg/l
706	CHEMICAL-RESIDUES IN WATER	Trace metal elements	Chromium	IS 3025 (Part 52)/3111 B APHA 23rd edn: 2017	0.05 to 50 mg/l
707	CHEMICAL-RESIDUES IN WATER	Trace metal elements	Copper	IS 3025 (Part 42) : 1992	0.05 to 50 mg/l
708	CHEMICAL-RESIDUES IN WATER	Trace metal elements	Iron	3111 B APHA 23rd edn /IS 3025 (Part 53): 2017	0.1 to 50 mg/l
709	CHEMICAL-RESIDUES IN WATER	Trace metal elements	Lead	APHA 23rd Edn 2017,3111B/IS 3025 (Part 47): 1994	0.05 to 100 mg/l
710	CHEMICAL-RESIDUES IN WATER	Trace metal elements	Manganese	IS 3025 (Part 59): 2006	0.1 to 50 mg/l
711	CHEMICAL-RESIDUES IN WATER	Trace metal elements	Mercury	3112 B APHA 23rd edn/IS 3025 (Part 48) : 2017	1 to 100
712	CHEMICAL-RESIDUES IN WATER	Trace metal elements	Nickel	3111 B APHA 23rd edn/IS 3025 (Part 54) : 2017	0.02 to 50 mg/l
713	CHEMICAL-RESIDUES IN WATER	Trace metal elements	Selenium	IS 3025 (part 56)/3111 B APHA 23rd EDN: 2017	1 to 100 µg/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
Permanent Facility					
714	CHEMICAL-RESIDUES IN WATER	Trace metal elements	Silver	IS 13428-2005/3111B APHA 23rd edn: 2017	0.05 to 100 mg/l
715	CHEMICAL-RESIDUES IN WATER	Trace metal elements	Zinc	IS 3025 (Part 49) / APHA 23rd edn: 1994	0.02 to 250 mg/l
716	CHEMICAL- WATER	Ground Water, Surface water, Swimming Pool Water, Irrigation water, Construction Water, Drinking water, Packaged Drinking Water, Industrial Water, Water from Purifiers	Alkalinity as Caco3	APHA 23rd Edn - 2320-B: 2017	2 to 5000 mg/L
717	CHEMICAL- WATER	Ground Water, Surface water, Swimming Pool Water, Irrigation water, Construction Water, Drinking water, Packaged Drinking Water, Industrial Water, Water from Purifiers	Alkalinity as Caco3	APHA 23rd Edn - 2320-B: 2017	2 to 5000 mg/L
718	CHEMICAL- WATER	Ground Water, Surface water, Swimming Pool Water, Irrigation water, Construction Water, Drinking water, Packaged Drinking Water, Industrial Water, Water from Purifiers	Ammonical Nitrogen as NH3-N	IS 3025(Part 34): 1988	0.2 to 100 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
Permanent Facility					
719	CHEMICAL- WATER	Ground Water, Surface water, Swimming Pool Water, Irrigation water, Construction Water, Drinking water, Packaged Drinking Water, Industrial Water, Water from Purifiers	Ammonical Nitrogen as NH ₃ -N	IS 3025(Part 34): 1988	0.2 to 100 mg/L
720	CHEMICAL- WATER	Ground Water, Surface water, Swimming Pool Water, Irrigation water, Construction Water, Drinking water, Packaged Drinking Water, Industrial Water, Water from Purifiers	Anionic Detergents as MBAS	IS 13428: 2005	0.1 to 50 mg/L
721	CHEMICAL- WATER	Ground Water, Surface water, Swimming Pool Water, Irrigation water, Construction Water, Drinking water, Packaged Drinking Water, Industrial Water, Water from Purifiers	Anionic Detergents as MBAS	IS 13428: 2005	0.1 to 50 mg/L
722	CHEMICAL- WATER	Ground Water, Surface water, Swimming Pool Water, Irrigation water, Construction Water, Drinking water, Packaged Drinking Water, Industrial Water, Water from Purifiers	B, To Neutralize 100 ml Of Sample Water using Mixed Indicator using 0.02 N H ₂ SO ₄	IS 3025 (Part 23): 1986	0.1 to 100 mL



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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
Permanent Facility					
723	CHEMICAL- WATER	Ground Water, Surface water, Swimming Pool Water, Irrigation water, Construction Water, Drinking water, Packaged Drinking Water, Industrial Water, Water from Purifiers	B, To Neutralize 100 ml Of Sample Water using Mixed Indicator using 0.02 N H ₂ SO ₄	IS 3025 (Part 23): 1986	0.1 to 100 mL
724	CHEMICAL- WATER	Ground Water, Surface water, Swimming Pool Water, Irrigation water, Construction Water, Drinking water, Packaged Drinking Water, Industrial Water, Water from Purifiers	Boron as B	APHA 23rd Edn -4500-B-B: 2017	0.2 to 50 mg/L
725	CHEMICAL- WATER	Ground Water, Surface water, Swimming Pool Water, Irrigation water, Construction Water, Drinking water, Packaged Drinking Water, Industrial Water, Water from Purifiers	Boron as B	APHA 23rd Edn -4500-B-B: 2017	0.2 to 50 mg/L
726	CHEMICAL- WATER	Ground Water, Surface water, Swimming Pool Water, Irrigation water, Construction Water, Drinking water, Packaged Drinking Water, Industrial Water, Water from Purifiers	Calcium as Ca	APHA 23rd Edn-3500 Ca -B: 2017	1 to 2000 mg/L



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Permanent Facility					
727	CHEMICAL- WATER	Ground Water, Surface water, Swimming Pool Water, Irrigation water, Construction Water, Drinking water, Packaged Drinking Water, Industrial Water, Water from Purifiers	Calcium as Ca	APHA 23rd Edn-3500 Ca -B: 2017	1 to 2000 mg/L
728	CHEMICAL- WATER	Ground Water, Surface water, Swimming Pool Water, Irrigation water, Construction Water, Drinking water, Packaged Drinking Water, Industrial Water, Water from Purifiers	Chloride as Cl	IS 3025 (Part 32): 1988	1 to 2500 mg/L
729	CHEMICAL- WATER	Ground Water, Surface water, Swimming Pool Water, Irrigation water, Construction Water, Drinking water, Packaged Drinking Water, Industrial Water, Water from Purifiers	Chloride as Cl	IS 3025 (Part 32): 1988	1 to 2500 mg/L
730	CHEMICAL- WATER	Ground Water, Surface water, Swimming Pool Water, Irrigation water, Construction Water, Drinking water, Packaged Drinking Water, Industrial Water, Water from Purifiers	Colour	IS 3025(Part 4): 1983	1 to 70 HU



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Permanent Facility					
731	CHEMICAL- WATER	Ground Water, Surface water, Swimming Pool Water, Irrigation water, Construction Water, Drinking water, Packaged Drinking Water, Industrial Water, Water from Purifiers	Colour	IS 3025(Part 4): 1983	1 to 70 HU
732	CHEMICAL- WATER	Ground Water, Surface water, Swimming Pool Water, Irrigation water, Construction Water, Drinking water, Packaged Drinking Water, Industrial Water, Water from Purifiers	Cyanide	IS 3025 (Part 27): 1986	0.05 to 100 mg/L
733	CHEMICAL- WATER	Ground Water, Surface water, Swimming Pool Water, Irrigation water, Construction Water, Drinking water, Packaged Drinking Water, Industrial Water, Water from Purifiers	Cyanide	IS 3025 (Part 27): 1986	0.05 to 100 mg/L
734	CHEMICAL- WATER	Ground Water, Surface water, Swimming Pool Water, Irrigation water, Construction Water, Drinking water, Packaged Drinking Water, Industrial Water, Water from Purifiers	Fluoride as F	APHA 23nd Edn-4500-F-D: 2017	0.2 to 500 mg/L



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Permanent Facility					
735	CHEMICAL- WATER	Ground Water, Surface water, Swimming Pool Water, Irrigation water, Construction Water, Drinking water, Packaged Drinking Water, Industrial Water, Water from Purifiers	Fluoride as F	APHA 23rd Edn-4500-F-D: 2017	0.2 to 500 mg/L
736	CHEMICAL- WATER	Ground Water, Surface water, Swimming Pool Water, Irrigation water, Construction Water, Drinking water, Packaged Drinking Water, Industrial Water, Water from Purifiers	Free Residual Chlorine	IS 3025 (Part 26): 1986	0.2 to 100 mg/L
737	CHEMICAL- WATER	Ground Water, Surface water, Swimming Pool Water, Irrigation water, Construction Water, Drinking water, Packaged Drinking Water, Industrial Water, Water from Purifiers	Free Residual Chlorine	IS 3025 (Part 26): 1986	0.2 to 100 mg/L
738	CHEMICAL- WATER	Ground Water, Surface water, Swimming Pool Water, Irrigation water, Construction Water, Drinking water, Packaged Drinking Water, Industrial Water, Water from Purifiers	Hexavalent Chromium as Cr	IS 3025 (part 52): 2003	0.2 to 50 mg/L



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Permanent Facility					
739	CHEMICAL- WATER	Ground Water, Surface water, Swimming Pool Water, Irrigation water, Construction Water, Drinking water, Packaged Drinking Water, Industrial Water, Water from Purifiers	Hexavalent Chromium as Cr	IS 3025 (part 52): 2003	0.2 to 50 mg/L
740	CHEMICAL- WATER	Ground Water, Surface water, Swimming Pool Water, Irrigation water, Construction Water, Drinking water, Packaged Drinking Water, Industrial Water, Water from Purifiers	Inorganic Solids	IS 3025 (Part 18): 1984	10 to 10000 mg/L
741	CHEMICAL- WATER	Ground Water, Surface water, Swimming Pool Water, Irrigation water, Construction Water, Drinking water, Packaged Drinking Water, Industrial Water, Water from Purifiers	Inorganic Solids	IS 3025 (Part 18): 1984	10 to 10000 mg/L
742	CHEMICAL- WATER	Ground Water, Surface water, Swimming Pool Water, Irrigation water, Construction Water, Drinking water, Packaged Drinking Water, Industrial Water, Water from Purifiers	Iron as Fe	IS 3025 (Part 53): 2003	0.1 to 50 mg/L



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Permanent Facility					
743	CHEMICAL- WATER	Ground Water, Surface water, Swimming Pool Water, Irrigation water, Construction Water, Drinking water, Packaged Drinking Water, Industrial Water, Water from Purifiers	Iron as Fe	IS 3025 (Part 53): 2003	0.1 to 50 mg/L
744	CHEMICAL- WATER	Ground Water, Surface water, Swimming Pool Water, Irrigation water, Construction Water, Drinking water, Packaged Drinking Water, Industrial Water, Water from Purifiers	Magnesium as Mg	APHA 23 rd Edn -3500 Mg-B: 2017	1 to 1000 mg/L
745	CHEMICAL- WATER	Ground Water, Surface water, Swimming Pool Water, Irrigation water, Construction Water, Drinking water, Packaged Drinking Water, Industrial Water, Water from Purifiers	Magnesium as Mg	APHA 23 rd Edn -3500 Mg-B: 2017	1 to 1000 mg/L
746	CHEMICAL- WATER	Ground Water, Surface water, Swimming Pool Water, Irrigation water, Construction Water, Drinking water, Packaged Drinking Water, Industrial Water, Water from Purifiers	Nitrate as NO ₃	IS 3025(Part 34): 1988	1 to 50 mg/L



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Permanent Facility					
747	CHEMICAL- WATER	Ground Water, Surface water, Swimming Pool Water, Irrigation water, Construction Water, Drinking water, Packaged Drinking Water, Industrial Water, Water from Purifiers	Nitrate as NO ₃	IS 3025(Part 34): 1988	1 to 50 mg/L
748	CHEMICAL- WATER	Ground Water, Surface water, Swimming Pool Water, Irrigation water, Construction Water, Drinking water, Packaged Drinking Water, Industrial Water, Water from Purifiers	Nitrite as NO ₂	APHA 23rd Edn 4500 NO ₂ -B: 2012	0.1 to 100 mg/L
749	CHEMICAL- WATER	Ground Water, Surface water, Swimming Pool Water, Irrigation water, Construction Water, Drinking water, Packaged Drinking Water, Industrial Water, Water from Purifiers	Nitrite as NO ₂	APHA 23rd Edn 4500 NO ₂ -B: 2012	0.1 to 100 mg/L
750	CHEMICAL- WATER	Ground Water, Surface water, Swimming Pool Water, Irrigation water, Construction Water, Drinking water, Packaged Drinking Water, Industrial Water, Water from Purifiers	Odour	IS 3025 (Part 5): 1983	Qualitative



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Permanent Facility					
751	CHEMICAL- WATER	Ground Water, Surface water, Swimming Pool Water, Irrigation water, Construction Water, Drinking water, Packaged Drinking Water, Industrial Water, Water from Purifiers	Odour	IS 3025 (Part 5): 1983	Qualitative
752	CHEMICAL- WATER	Ground Water, Surface water, Swimming Pool Water, Irrigation water, Construction Water, Drinking water, Packaged Drinking Water, Industrial Water, Water from Purifiers	Organics Soilds	IS 3025 (Part 18): 1984	10 to 10000 mg/L
753	CHEMICAL- WATER	Ground Water, Surface water, Swimming Pool Water, Irrigation water, Construction Water, Drinking water, Packaged Drinking Water, Industrial Water, Water from Purifiers	Organics Soilds	IS 3025 (Part 18): 1984	10 to 10000 mg/L
754	CHEMICAL- WATER	Ground Water, Surface water, Swimming Pool Water, Irrigation water, Construction Water, Drinking water, Packaged Drinking Water, Industrial Water, Water from Purifiers	pH @ 25°C	IS 3025 (Part 11): 1983	1 to 12



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Permanent Facility					
755	CHEMICAL- WATER	Ground Water, Surface water, Swimming Pool Water, Irrigation water, Construction Water, Drinking water, Packaged Drinking Water, Industrial Water, Water from Purifiers	pH @ 25°C	IS 3025 (Part 11): 1983	1 to 12
756	CHEMICAL- WATER	Ground Water, Surface water, Swimming Pool Water, Irrigation water, Construction Water, Drinking water, Packaged Drinking Water, Industrial Water, Water from Purifiers	Potassium as K	IS 3025 (part 45): 1993	1 to 1000 mg/L
757	CHEMICAL- WATER	Ground Water, Surface water, Swimming Pool Water, Irrigation water, Construction Water, Drinking water, Packaged Drinking Water, Industrial Water, Water from Purifiers	Potassium as K	IS 3025 (part 45): 1993	1 to 1000 mg/L
758	CHEMICAL- WATER	Ground Water, Surface water, Swimming Pool Water, Irrigation water, Construction Water, Drinking water, Packaged Drinking Water, Industrial Water, Water from Purifiers	Silica as SiO ₂	IS 3025 (Part 35): 1988	0.1 to 1000 mg/L



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Permanent Facility					
759	CHEMICAL- WATER	Ground Water, Surface water, Swimming Pool Water, Irrigation water, Construction Water, Drinking water, Packaged Drinking Water, Industrial Water, Water from Purifiers	Silica as SiO ₂	IS 3025 (Part 35): 1988	0.1 to 1000 mg/L
760	CHEMICAL- WATER	Ground Water, Surface water, Swimming Pool Water, Irrigation water, Construction Water, Drinking water, Packaged Drinking Water, Industrial Water, Water from Purifiers	Sodium as Na	IS 3025 (Part 45): 1993	1 to 1000 mg/L
761	CHEMICAL- WATER	Ground Water, Surface water, Swimming Pool Water, Irrigation water, Construction Water, Drinking water, Packaged Drinking Water, Industrial Water, Water from Purifiers	Sodium as Na	IS 3025 (Part 45): 1993	1 to 1000 mg/L
762	CHEMICAL- WATER	Ground Water, Surface water, Swimming Pool Water, Irrigation water, Construction Water, Drinking water, Packaged Drinking Water, Industrial Water, Water from Purifiers	Specific Conductance 25°C	IS 3025 (Part 14): 2013	1 to 50000 µs/cm



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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
Permanent Facility					
763	CHEMICAL- WATER	Ground Water, Surface water, Swimming Pool Water, Irrigation water, Construction Water, Drinking water, Packaged Drinking Water, Industrial Water, Water from Purifiers	Specific Conductance 25°C	IS 3025 (Part 14): 2013	1 to 50000
764	CHEMICAL- WATER	Ground Water, Surface water, Swimming Pool Water, Irrigation water, Construction Water, Drinking water, Packaged Drinking Water, Industrial Water, Water from Purifiers	Sulphate as SO ₄	APHA 23rd Edn-4500 SO ₄ -E: 2017	1 to 5000 mg/L
765	CHEMICAL- WATER	Ground Water, Surface water, Swimming Pool Water, Irrigation water, Construction Water, Drinking water, Packaged Drinking Water, Industrial Water, Water from Purifiers	Sulphate as SO ₄	APHA 23rd Edn-4500 SO ₄ -E: 2017	1 to 5000 mg/L
766	CHEMICAL- WATER	Ground Water, Surface water, Swimming Pool Water, Irrigation water, Construction Water, Drinking water, Packaged Drinking Water, Industrial Water, Water from Purifiers	Sulphide	IS 3025 (Part 29): 1986	1 to 50 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
Permanent Facility					
767	CHEMICAL- WATER	Ground Water, Surface water, Swimming Pool Water, Irrigation water, Construction Water, Drinking water, Packaged Drinking Water, Industrial Water, Water from Purifiers	Sulphide	IS 3025 (Part 29): 1986	1 to 50 mg/L
768	CHEMICAL- WATER	Ground Water, Surface water, Swimming Pool Water, Irrigation water, Construction Water, Drinking water, Packaged Drinking Water, Industrial Water, Water from Purifiers	Total Solids/Non Volatile Residue@ 105°C	APHA 23rd Edn -2540-B: 2017	1 to 10000 mg/L
769	CHEMICAL- WATER	Ground Water, Surface water, Swimming Pool Water, Irrigation water, Construction Water, Drinking water, Packaged Drinking Water, Industrial Water, Water from Purifiers	Total Solids/Non Volatile Residue@ 105°C	APHA 23rd Edn -2540-B: 2017	1 to 10000 mg/L
770	CHEMICAL- WATER	Ground Water, Surface water, Swimming Pool Water, Irrigation water, Construction Water, Drinking water, Packaged Drinking Water, Industrial Water, Water from Purifiers	Total Dissolved Solids	APHA 23rd Edn. 2540-C: 2017	1 to 10000 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
Permanent Facility					
771	CHEMICAL- WATER	Ground Water, Surface water, Swimming Pool Water, Irrigation water, Construction Water, Drinking water, Packaged Drinking Water, Industrial Water, Water from Purifiers	Total Dissolved Solids	APHA 23rd Edn-2540-C: 2017	1 to 10000 mg/L
772	CHEMICAL- WATER	Ground Water, Surface water, Swimming Pool Water, Irrigation water, Construction Water, Drinking water, Packaged Drinking Water, Industrial Water, Water from Purifiers	Total Hardness as CaCO ₃	APHA 23rd Edn-2340-C: 2017	2 to 5000 mg/L
773	CHEMICAL- WATER	Ground Water, Surface water, Swimming Pool Water, Irrigation water, Construction Water, Drinking water, Packaged Drinking Water, Industrial Water, Water from Purifiers	Total Hardness as CaCO ₃	APHA 23rd Edn-2340-C: 2017	2 to 5000 mg/L
774	CHEMICAL- WATER	Ground Water, Surface water, Swimming Pool Water, Irrigation water, Construction Water, Drinking water, Packaged Drinking Water, Industrial Water, Water from Purifiers	Total Suspended Solids	IS 3025(Part 17): 1984	2 to 2000 mg/L



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Permanent Facility					
775	CHEMICAL- WATER	Ground Water, Surface water, Swimming Pool Water, Irrigation water, Construction Water, Drinking water, Packaged Drinking Water, Industrial Water, Water from Purifiers	Total Suspended Solids	IS 3025(Part 17): 1984	2 to 2000 mg/L
776	CHEMICAL- WATER	Ground Water, Surface water, Swimming Pool Water, Irrigation water, Construction Water, Drinking water, Packaged Drinking Water, Industrial Water, Water from Purifiers	Turbidity	IS 3025 (Part 10): 1984	1 to 999 NTU
777	CHEMICAL- WATER	Ground Water, Surface water, Swimming Pool Water, Irrigation water, Construction Water, Drinking water, Packaged Drinking Water, Industrial Water, Water from Purifiers	Turbidity	IS 3025 (Part 10): 1984	1 to 999 NTU
778	CHEMICAL- WATER	Ground Water, Surface water, Swimming Pool Water, Irrigation water, Construction Water, Drinking water, Packaged Drinking Water, Industrial Water, Water from Purifiers	Water Neutralization a), To neutralize 100 ml of Sample water using Phenolphthalein as indicator using 0.02 N NaOH	IS 3025 (Part 22): 1986	0.1 to 50 mL



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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
Permanent Facility					
779	CHEMICAL- WATER	Ground Water, Surface water, Swimming Pool Water, Irrigation water, Construction Water, Drinking water, Packaged Drinking Water, Industrial Water, Water from Purifiers	Water Neutralization a), To neutralize 100 ml of Sample water using Phenolphthalein as indicator using 0.02 N NaOH	IS 3025 (Part 22): 1986	0.1 to 50 mL
780	CHEMICAL- WATER	Ground Water, Surface water, Swimming Pool Water, Irrigation water, Construction Water, Drinking water, Packaged Drinking Water, Industrial Water, Water from Purifiers	Chloramines	IS3025(P-26): 1986	0.1 to 100 mg/L
781	CHEMICAL- WATER	Ground Water, Surface water, Swimming Pool Water, Irrigation water, Construction Water, Drinking water, Packaged Drinking Water, Industrial Water, Water from Purifiers	Chloramines	IS3025(P-26): 1986	0.1 to 100 mg/L
782	CHEMICAL- WATER	Ground Water, Surface water, Swimming Pool Water, Irrigation water, Construction Water, Drinking water, Packaged Drinking Water, Industrial Water, Water from Purifiers	Manganese	IS 3025(Part 59): 2006	1 to 50 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
Permanent Facility					
783	CHEMICAL- WATER	Ground Water, Surface water, Swimming Pool Water, Irrigation water, Construction Water, Drinking water, Packaged Drinking Water, Industrial Water, Water from Purifiers	Manganese	IS 3025(Part 59): 2006	1 to 50 mg/L
784	CHEMICAL- WATER	Processed Food Industry Water	Chloride as Cl	IS 3025 (Part 32): 1988	1 to 2500 mg/L
785	CHEMICAL- WATER	Processed Food Industry Water	Colour	IS 3025 (part 4): 1983	1 to 70 HU
786	CHEMICAL- WATER	Processed Food Industry Water	Fluoride as F	APHA 23rd Edn, 4500-F-D: 2017	0.2 to 500 mg/L
787	CHEMICAL- WATER	Processed Food Industry Water	Hexavalent Chromium as Cr	IS 3025 (Part 52): 2003	0.2 to 50 mg/L
788	CHEMICAL- WATER	Processed Food Industry Water	Iron as Fe	IS 3025 (Part 53): 2003	0.1 to 50 mg/L
789	CHEMICAL- WATER	Processed Food Industry Water	Magnesium as Mg	APHA 23rd Edn 3500 Mg-B: 2017	1 to 1000 mg/L
790	CHEMICAL- WATER	Processed Food Industry Water	Manganese as Mn	IS 3025 (part 59): 2006	0.1 to 50 mg/L
791	CHEMICAL- WATER	Processed Food Industry Water	Nitrate as NO ₃	IS 3025 (part 34): 1988	1 to 50 mg/L
792	CHEMICAL- WATER	Processed Food Industry Water	Odour	IS 3025 (part 5): 2018	Qualitative
793	CHEMICAL- WATER	Processed Food Industry Water	Odour	IS 3025 (part 5): 1983	Qualitative



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Permanent Facility					
794	CHEMICAL- WATER	Processed Food Industry Water	pH @ 25°C	IS 3025 (part 11): 1983	1 to 12
795	CHEMICAL- WATER	Processed Food Industry Water	pH @ 25°C	IS 3025 (part 11): 1983	1 to 12
796	CHEMICAL- WATER	Processed Food Industry Water	Sulphate as SO ₄	APHA 23rd Edn, 4500-SO ₄ -E: 2017	1 to 5000 mg/L
797	CHEMICAL- WATER	Processed Food Industry Water	Total Hardness as CaCO ₃	APHA 23rd Edn, 2340-C: 2017	2 to 5000 mg/L
798	CHEMICAL- WATER	Processed Food Industry Water	Total Solids	APHA 23rd Edn, 2540-B: 2017	1 to 10000 mg/L
799	CHEMICAL- WATER	Processed Food Industry Water	Turbidity	IS 3025 (part 10): 1984	1 to 999 NTU

'NOTE- The Laboratory has demonstrated competence for the stated scope for WATER. This however does not fully cover the specification requirements of BIS for the Packaged Drinking Water as per IS 14543 and the Packaged Natural Mineral Water IS 13428.'