National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : EKDANT ENVIRO SERVICES (P) LTD., NO R-7/1,AVK TOWER,NORTH MAIN ROAD,ANNA NAGAR WEST EXTN., CHENNAI, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5028 **Page No** 1 of 27

Validity 06/03/2020 to 05/03/2022* **Last Amended on** -

*The validity is extended for one year up to 05.03.2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
Permanent Facility				
1	BIOLOGICAL-ENVIRONMENT AND POLLUTION	Air	Total plate count	Compendium of methods for the microbiological examination of foods(APHA) 5th edition ,
2	BIOLOGICAL-ENVIRONMENT AND POLLUTION	Air/surface	Total fungal count	Compendium of methods for the microbiological examination of foods (APHA) 5th edition
3	BIOLOGICAL-ENVIRONMENT AND POLLUTION	Effluent/waste water	Escherichia coli	Standard methods for the examination of water and waste water, 23 rd Edition, sec 9221F
4	BIOLOGICAL-ENVIRONMENT AND POLLUTION	Effluents/waste water	Faecal coliforms	Standard methods for the examination of water and waste water, 23 rd edition, sec 9221E
5	BIOLOGICAL-ENVIRONMENT AND POLLUTION	Effluents/waste water	Total bacterial count	APHA 23rd Edition, sec 9215B
6	BIOLOGICAL-ENVIRONMENT AND POLLUTION	Effluents/waste water	Total coliforms	Standard methods for the examination of water and waste water, 23 rd edition, sec 9221B
7	BIOLOGICAL-ENVIRONMENT AND POLLUTION	Surface (swab)	Coliforms	ISO 18593
8	BIOLOGICAL-ENVIRONMENT AND POLLUTION	Surface (swab)	Escherichia coli	ISO 18593
9	BIOLOGICAL-ENVIRONMENT AND POLLUTION	Surface (swab)	Total plate count	ISO 18593
10	BIOLOGICAL-ENVIRONMENT AND POLLUTION	Surface swab	Yeast and moulds	ISO 18593
11	BIOLOGICAL-ENVIRONMENT AND POLLUTION	Surface(swab)	Staphylococcus aureus	ISO 18593

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
12	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Cake , Bread, Chocolate	Escherichia coli (Colony Count)	IS:5887: (Part 1) : 1976
13	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Cake , Bread, Chocolate	Escherichia coli (MPN)	IS:5887: (Part 1) :1976
14	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Cake , Bread, Chocolate	Staphylococcus aureus Colony Count	IS 5887: (Part 8/Sec.1)
15	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Cake , Bread, Chocolate	Total coliforms (MPN)	IS 5401: 2012(Part 2)
16	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Cake , Bread, Chocolate	Total coliforms (Colony Count)	IS 5401: (Part 1)
17	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Cake , Bread, Chocolate	Yeast and Mould	IS:5403:1999
18	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Cake ,Bread,chocolate	Total plate count	IS 5402 : 2012
19	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Cake Bread Chocolate	Salmonella	IS 5887:1976 PART 3
20	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Cooked Food Products Vegetables Curry Sambar Rice Varieties	Total coliforms (MPN)	IS 5401: (Part 2)
21	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Cooked Food Products Vegetables Curry Sambar Rice Varieties	Total plate count	IS:5402: 2012
22	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Cooked Food Products Vegetables Curry Sambar Rice Varieties	Total coliforms (Colony Count)	IS 5401: (Part 1)
23	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Cooked Food Products Vegetables Curry Sambar Rice Varieties	Escherichia coli (Colony Count)	IS:5887: (Part 1)1976
24	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Cooked Food Products Vegetables Curry Sambar Rice Varieties	Escherichia coli (MPN)	IS:5887: (Part 1)1976

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
25	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Cooked Food Products Vegetables Curry Sambar Rice Varieties	Salmonella	IS 5887: (Part 3)1976
26	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Cooked Food Products Vegetables Curry Sambar Rice Varieties	Staphylococcus aureus Colony Count	IS 5887: (Part 8/Sec.1)2012
27	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Cooked Food Products Vegetables Curry Sambar Rice Varieties	Yeast and Mould	IS:5403:1999
28	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Wheat Flour & Rice Flour	Escherichia coli (Colony Count)	IS:5887: (Part 1)
29	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Wheat Flour & Rice Flour	Escherichia coli (MPN)	IS:5887: (Part 1) RA
30	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Wheat Flour & Rice Flour	Salmonella	IS 5887:1999 (Part 3)
31	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Wheat Flour & Rice Flour	Staphylococcus aureus(Colony Count)	IS 5887: 2002(Part 8/Sec.1)
32	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Wheat Flour & Rice Flour	Total coliforms (Colony Count)	IS 5401:2002 (Part 1)
33	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Wheat Flour & Rice Flour	Total coliforms (MPN)	IS 5401: (Part 2)
34	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Wheat Flour & Rice Flour	Total plate count	IS:5402:2012
35	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Wheat Flour & Rice Flour	Yeast and Mould	IS:5403:1999
36	BIOLOGICAL- WATER	Drinking Water	Escherichia coli	IS 15185
37	BIOLOGICAL- WATER	Drinking Water	Escherichia Coli (MPN Technique)	IS:1622:1981 IS:5887(Part:1)/1976 APHA 23rd Edition 2017 -9221F Page No:9-57 APHA 23rd Edition 2017-9230 Page No:9-88

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
38	BIOLOGICAL- WATER	Drinking Water	Faecal Coliforms (MPN Technique)	IS:1622:1981 APHA 23rd Edition 2017 9221E Page No:9-56
39	BIOLOGICAL- WATER	Drinking Water	Faecal Streptococci	IS 1622
40	BIOLOGICAL- WATER	Drinking Water	Faecal Streptococci	IS:1622:1981 APHA 23rd Edition 2017 -9230 Page No:9-88
41	BIOLOGICAL- WATER	Drinking Water	Total and Faecal Coliforms (MPN Technique)	IS 1622
42	BIOLOGICAL- WATER	Drinking Water	Total Bacterial Count	IS 1622
43	BIOLOGICAL- WATER	Drinking Water	Total Coliforms	IS 15185
44	BIOLOGICAL- WATER	Drinking Water	Total Coliforms (MPN Technique)	IS:1622:1981 IS 5401(Part: 2) APHA 23rd Edition 2017 9221B Page No:9-49 RA
45	BIOLOGICAL- WATER	Packaged Drinking Water	Coliforms	IS 15185
46	BIOLOGICAL- WATER	Packaged Drinking Water	Escherichia coli	IS 15185
47	BIOLOGICAL- WATER	Packaged Drinking Water	Faecal Streptococci	IS 15186
48	BIOLOGICAL- WATER	Packaged Drinking Water	Pseudomonas aeruginosa	IS 13428 (Annexure D)
49	BIOLOGICAL- WATER	Packaged Drinking Water	Salmonella	IS 15187
50	BIOLOGICAL- WATER	Packaged Drinking Water	Shigella	IS 5887 (Part 7)
51	BIOLOGICAL- WATER	Packaged Drinking Water	Staphylococcus aureus	IS 5887 (Part 2)
52	BIOLOGICAL- WATER	Packaged Drinking Water	Sulphite Reducing Anaerobes	IS 13428 (Annexure C)
53	BIOLOGICAL- WATER	Packaged Drinking Water	Total viable colony count @ 22°C for 72 hrs	IS 5402 (& IS 14543:2016)
54	BIOLOGICAL- WATER	Packaged Drinking Water	Total viable colony count @37°C for 24 hrs	IS 5402 (& IS 14543:2016)
55	BIOLOGICAL- WATER	Packaged Drinking Water	Vibrio cholerae	IS 5887 (Part 5)
56	BIOLOGICAL- WATER	Packaged Drinking Water	Vibrio parahaemolyticus	IS 5887 (Part 5)
57	BIOLOGICAL- WATER	Packaged Drinking Water	Yeast and Moulds	IS 5403
58	BIOLOGICAL- WATER	Water	Coliform bacteria	IS 1622
59	BIOLOGICAL- WATER	Water	Coliforms	IS 1622
60	BIOLOGICAL- WATER	Water	Escherichia coli	IS 1622
61	BIOLOGICAL- WATER	Water	Escherichia coli	IS 1622

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
62	BIOLOGICAL- WATER	water	Escherichia coli	IS 1622:1981
63	BIOLOGICAL- WATER	Water	Faecal coliforms	IS 1622
64	BIOLOGICAL- WATER	Water	Faecal coliforms	IS 1622
65	BIOLOGICAL- WATER	Water	Faecal streptococci	IS 1622
66	BIOLOGICAL- WATER	Water	Lipolytic count	IS 4251
67	BIOLOGICAL- WATER	Water	Proteolytic count	IS 4251
68	BIOLOGICAL- WATER	Water	Total coliforms	IS 1622
69	BIOLOGICAL- WATER	Water	Total plate count	IS 1622
70	BIOLOGICAL- WATER	Water	Total plate count	IS 3328
71	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient air	Ammonia	SOP – EA -009 - In house validated method / Issue No/Date : 03/04.08.2014 (Based on CPCB Method)
72	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient air	Arsenic	SOP – EA -010 - In house validated method / Issue No/Date :03/04.08.2014 (Based on CPCB Method)
73	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient air	Benzene	IS 5182(Part 11) : 2006 (RA 2012)
74	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient air	Benzo (a) Pyrene	IS 5182(Part 12) :2004 RA
75	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient air	Carbon Monoxide (Co)	IS 5182(Part 10) : 1999 (RA 2009) Indicator Tube Method:
76	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient air	Lead	IS 5182(Part 22) : 2004 RA
77	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient air	Nickel	SOP – EA -011 - In house validated method / Issue No/Date :03/04.08.2014 (Based on CPCB Guideline)
78	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient air	Oxides of Nitrogen	IS 5182(Part 6) : 2006 RA
79	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient air	Ozone	IS 5182(Part 9) : 1974 RA
80	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient air	Particulate Matter (PM2.5) Resirable	SOP – EA -001- In house validated method / Issue No/Date : 03 / 04.08.2014:

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81	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient air	Respirable Suspended Particulate Matter (PM10)	IS 5182(Part 23) : 2006 RA
82	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient air	Sulphur Dioxide	IS 5182(Part 2) : 2001 RA
83	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient air	Suspended Particulate Matter	IS 5182(Part 4) : 1999 RA
84	CHEMICAL- ATMOSPHERIC POLLUTION	indoor air Quality	% Realtive Humidity	EES/IAQ/SOP/001
85	CHEMICAL- ATMOSPHERIC POLLUTION	indoor air Quality	Carbondioxide	NIOSH- 6014
86	CHEMICAL- ATMOSPHERIC POLLUTION	indoor air Quality	Carbonmonoxide	NIOSH-6604
87	CHEMICAL- ATMOSPHERIC POLLUTION	indoor air Quality	Oxygen	NIOSH-6601
88	CHEMICAL- ATMOSPHERIC POLLUTION	Indoor air Quality	Respirable Aerosol Mass	NIOSH-0600
89	CHEMICAL- ATMOSPHERIC POLLUTION	indoor air Quality	Temperature	EES/IAQ/SOP/002
90	CHEMICAL- ATMOSPHERIC POLLUTION	Meterogical Parameters	Wind Speed	EES/WM/SOP/001
91	CHEMICAL- ATMOSPHERIC POLLUTION	Meterological Parameters	Rainfall	EES/WM/SOP/002
92	CHEMICAL- ATMOSPHERIC POLLUTION	Meterological Parameters	Temperature	EES/WM/SOP/003
93	CHEMICAL- ATMOSPHERIC POLLUTION	Meterological Parameters	Wind Direction	EES/WM/SOP/004
94	CHEMICAL- ATMOSPHERIC POLLUTION	Noise level monitoring	Noise Level	IS 9989 : 1981 RA
95	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emission	Carbon dioxide	IS 13270 :1992 RA
96	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emission	Carbon Monoxide	IS 13270 : 1992 RA
97	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Oxide of Nitrogen	IS 11255(Part 7) : 2005 RA
98	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emission	Particulate Matter	IS 11255(Part 1) : 1985 RA

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99	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emission	Stack Pressure	IS 11255(Part 3) : 1985 RA
100	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emission	Stack Temperature	IS 11255(Part 3) : 1985 RA
101	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emission	Stack Velocity	IS 11255(Part 3) : 2009
102	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emission	Sulphur dioxide	IS 11255(Part 2) : 1985 RA
103	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emission	Volume of Gas discharged	IS 11255(Part 3) : 1985 RA
104	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emisson	Oxygen	IS 13270 : 1992 RA
105	CHEMICAL- ATMOSPHERIC POLLUTION	Work Environment and Indoor Air Quality	Illumination	IS 6665-1975 RA
106	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Anhydrous Milk Fat/ Butter Oil, Butter, Casein Products, Cheese, Chhena/ Paneer, Cream, Curd, Ice Cream,Ice Cream Powder, Khoya, Liquid Milk: Raw/Sterilized / Pasteurized /Flavored/Toned/Double toned/ Standardized / Recombined / Condensed / Sweetened/ Full cream / Skimmed/ Evaporated / Sweetened/ Condensed/ ShrikhandSkimmed / Evaporated / Dried Milk Powder / Whey Products / Whole Milk Powder	Acid Insoluble Ash	IS 4706 (Part 2) 1978 RA
107	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Anhydrous Milk Fat/ Butter Oil, Butter, Casein Products, Cheese, Chhena/ Paneer, Cream, Curd, Ice Cream,Ice Cream Powder, Khoya, Liquid Milk: Raw/Sterilized / Pasteurized /Flavored/Toned/Double toned/ Standardized / Recombined / Condensed / Sweetened/ Full cream / Skimmed/ Evaporated / Sweetened/ Condensed/ ShrikhandSkimmed / Evaporated / Dried Milk Powder / Whey Products / Whole Milk Powder	Carbohydrates	SOP EF - 034 Issue No : 01/15.12.2014
108	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Anhydrous Milk Fat/ Butter Oil, Butter, Casein Products, Cheese, Chhena/ Paneer, Cream, Curd, Ice Cream,Ice Cream Powder, Khoya, Liquid Milk: Raw/Sterilized / Pasteurized /Flavored/Toned/Double toned/ Standardized / Recombined / Condensed / Sweetened/ Full cream / Skimmed/ Evaporated / Sweetened/ Condensed/ ShrikhandSkimmed / Evaporated / Dried Milk Powder / Whey Products / Whole Milk Powder	Crude Fibre	AOAC 20th Edition.2016 920.86

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109	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Anhydrous Milk Fat/ Butter Oil, Butter, Casein Products, Cheese, Chhena/ Paneer, Cream, Curd, Ice Cream,Ice Cream Powder, Khoya, Liquid Milk: Raw/Sterilized / Pasteurized /Flavored/Toned/Double toned/ Standardized / Recombined / Condensed / Sweetened/ Full cream / Skimmed/ Evaporated / Sweetened/ Condensed/ ShrikhandSkimmed / Evaporated / Dried Milk Powder / Whey Products / Whole Milk Powder	Energy	SOP EF - 034 Issue No : 01/15.12.2014
110	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Anhydrous Milk Fat/ Butter Oil, Butter, Casein Products, Cheese, Chhena/ Paneer, Cream, Curd, Ice Cream,Ice Cream Powder, Khoya, Liquid Milk: Raw/Sterilized / Pasteurized /Flavored/Toned/Double toned/ Standardized / Recombined / Condensed / Sweetened/ Full cream / Skimmed/ Evaporated / Sweetened/ Condensed/ ShrikhandSkimmed / Evaporated / Dried Milk Powder / Whey Products / Whole Milk Powder	Fat	AOAC 20th Edition. 2016 .920.85
111	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Anhydrous Milk Fat/ Butter Oil, Butter, Casein Products, Cheese, Chhena/ Paneer, Cream, Curd, Ice Cream,Ice Cream Powder, Khoya, Liquid Milk: Raw/Sterilized / Pasteurized /Flavored/Toned/Double toned/ Standardized / Recombined / Condensed / Sweetened/ Full cream / Skimmed/ Evaporated / Sweetened/ Condensed/ ShrikhandSkimmed / Evaporated / Dried Milk Powder / Whey Products / Whole Milk Powder	Moisture	AOAC 20th Edition.2016 .925.10
112	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Anhydrous Milk Fat/ Butter Oil, Butter, Casein Products, Cheese, Chhena/ Paneer, Cream, Curd, Ice Cream,Ice Cream Powder, Khoya, Liquid Milk: Raw/Sterilized / Pasteurized /Flavored/Toned/Double toned/ Standardized / Recombined / Condensed / Sweetened/ Full cream / Skimmed/ Evaporated / Sweetened/ Condensed/ ShrikhandSkimmed / Evaporated / Dried Milk Powder / Whey Products / Whole Milk Powder	Protein	AOAC 20th Edition.2016 920.87
113	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Anhydrous Milk Fat/ Butter Oil, Butter, Casein Products, Cheese, Chhena/ Paneer, Cream, Curd, Ice Cream,Ice Cream Powder, Khoya, Liquid Milk: Raw/Sterilized / Pasteurized /Flavored/Toned/Double toned/ Standardized / Recombined / Condensed / Sweetened/ Full cream / Skimmed/ Evaporated / Sweetened/ Condensed/ ShrikhandSkimmed / Evaporated / Dried Milk Powder / Whey Products / Whole Milk Powder	Total Ash	AOAC 20th Edition.2016 .923.03
114	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Atta, Maida, suji, Rawa, Corn flour, Custard Powder, Basmati Rice, Com flakes, Vermicelli, Macaroni, Lentils, Chickpeas, Cowpeas, Gram, Beans, Besan, Malted Food,Paddy, Rice, Rice Powder,Rye, Sorghum, Barley, Oats, Com, Maize, Jawar,Bajra, Millet,Wheat, Daliya, Wheat Powder	Acid Insoluble Ash	IS 4706 (Part 2) 1978 RA

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115	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Atta, Maida, suji, Rawa, Corn flour, Custard Powder, Basmati Rice, Com flakes, Vermicelli, Macaroni, Lentils, Chickpeas, Cowpeas, Gram, Beans, Besan, Malted Food,Paddy, Rice, Rice Powder,Rye, Sorghum, Barley, Oats, Com, Maize, Jawar,Bajra, Millet,Wheat, Daliya, Wheat Powder	Carbohydrates	SOP EF - 034 Issue No : 01/15.12.2014
116	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Atta, Maida, suji, Rawa, Corn flour, Custard Powder, Basmati Rice, Com flakes, Vermicelli, Macaroni, Lentils, Chickpeas, Cowpeas, Gram, Beans, Besan, Malted Food,Paddy, Rice, Rice Powder,Rye, Sorghum, Barley, Oats, Com, Maize, Jawar,Bajra, Millet,Wheat, Daliya, Wheat Powder	Energy	SOP EF - 034 Issue No : 01/15.12.2014
117	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Atta, Maida, suji, Rawa, Corn flour, Custard Powder, Basmati Rice, Com flakes, Vermicelli, Macaroni, Lentils, Chickpeas, Cowpeas, Gram, Beans, Besan, Malted Food,Paddy, Rice, Rice Powder,Rye, Sorghum, Barley, Oats, Com, Maize, Jawar,Bajra, Millet,Wheat, Daliya, Wheat Powder	Fat	AOAC 20th Edition. 2016 .920.85
118	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Atta, Maida, suji, Rawa, Corn flour, Custard Powder, Basmati Rice, Com flakes, Vermicelli, Macaroni, Lentils, Chickpeas, Cowpeas, Gram, Beans, Besan, Malted Food,Paddy, Rice, Rice Powder,Rye, Sorghum, Barley, Oats, Com, Maize, Jawar,Bajra, Millet,Wheat, Daliya, Wheat Powder	Moisture	AOAC 20th Edition.2016 .925.10
119	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Atta, Maida, suji, Rawa, Corn flour, Custard Powder, Basmati Rice, Com flakes, Vermicelli, Macaroni, Lentils, Chickpeas, Cowpeas, Gram, Beans, Besan, Malted Food,Paddy, Rice, Rice Powder,Rye, Sorghum, Barley, Oats, Com, Maize, Jawar,Bajra, Millet,Wheat, Daliya, Wheat Powder	Protein	AOAC 20th Edition.2016 920.87
120	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Atta, Maida, suji, Rawa, Corn flour, Custard Powder, Basmati Rice, Com flakes, Vermicelli, Macaroni, Lentils, Chickpeas, Cowpeas, Gram, Beans, Besan, Malted Food,Paddy, Rice, Rice Powder,Rye, Sorghum, Barley, Oats, Com, Maize, Jawar,Bajra, Millet,Wheat, Daliya, Wheat Powder	Total Ash	AOAC 20th Edition.2016 .923.03
121	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Atta, Maida, suji, Rawa, Corn flour, Custard Powder, Basmati Rice, Com flakes, Vermicelli, Macaroni, Lentils, Chickpeas, Cowpeas, Gram, Beans, Besan, Malted Food,Paddy, Rice, Rice Powder,Rye, Sorghum, Barley, Oats, Com, Maize, Jawar,Bajra, Millet,Wheat, Daliya, Wheat Powder	Crude Fibre	AOAC 20th Edition.2016 920.86

SCOPE OF ACCREDITATION

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122	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Biscuits, Cakes, Chips, Wafers, Pastry, Brownie, Muffin, Bread, Bun, Khari, Toast, Cookies, Rusk, Candy, Lolly, Chewing Gum, Logenze, Chocolate, Namkeen	Acid Insoluble Ash	IS 4706 (Part 2) 1978 RA
123	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Biscuits, Cakes, Chips, Wafers, Pastry, Brownie, Muffin, Bread, Bun, Khari, Toast, Cookies, Rusk, Candy, Lolly, Chewing Gum, Logenze, Chocolate, Namkeen	Carbohydrates	Aoac 20th edn 986.25
124	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Biscuits, Cakes, Chips, Wafers, Pastry, Brownie, Muffin, Bread, Bun, Khari, Toast, Cookies, Rusk, Candy, Lolly, Chewing Gum, Logenze, Chocolate, Namkeen	Crude Fibre	AOAC 20th Edition.2016 920.86
125	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Biscuits, Cakes, Chips, Wafers, Pastry, Brownie, Muffin, Bread, Bun, Khari, Toast, Cookies, Rusk, Candy, Lolly, Chewing Gum, Logenze, Chocolate, Namkeen	Energy	FAO Food and Nutrition paper 77, Food energy methods of analysis and conversion factors- chapter 3
126	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Biscuits, Cakes, Chips, Wafers, Pastry, Brownie, Muffin, Bread, Bun, Khari, Toast, Cookies, Rusk, Candy, Lolly, Chewing Gum, Logenze, Chocolate, Namkeen	Fat	AOAC 20th Edition. 2016 .920.85
127	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Biscuits, Cakes, Chips, Wafers, Pastry, Brownie, Muffin, Bread, Bun, Khari, Toast, Cookies, Rusk, Candy, Lolly, Chewing Gum, Logenze, Chocolate, Namkeen	Moisture	AOAC 20th Edition.2016 .925.10
128	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Biscuits, Cakes, Chips, Wafers, Pastry, Brownie, Muffin, Bread, Bun, Khari, Toast, Cookies, Rusk, Candy, Lolly, Chewing Gum, Logenze, Chocolate, Namkeen	Protein	AOAC 20th Edition.2016 920.87
129	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Biscuits, Cakes, Chips, Wafers, Pastry, Brownie, Muffin, Bread, Bun, Khari, Toast, Cookies, Rusk, Candy, Lolly, Chewing Gum, Logenze, Chocolate, Namkeen	Total Ash	AOAC 20th Edition.2016 .923.03
130	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible oils & fats	Acid Value	Fssi Air Oven Method/ Gravimetric/Is: 548 (Part 1):1964 RA
131	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible oils & fats	Free fatty Acid	FSSAI Manual open Reflux and Tiration method / IS 548 (Part 1): 1964 RA
132	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible oils & fats	Iodine Value	FSSAI Manual open Reflux and Tiration method / IS 548 (Part 1): 1964 RA
133	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible oils & fats	Moisture	IS 548 (part 1) 1964; RA
134	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible oils & fats	Peroxide Value	FSSAI Manual open Reflux and Tiration method / IS 548 (Part 1): 1964 RA

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135	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible oils & fats	Saponification value	FSSAI Manual open Reflux and Tiration method / IS 548 (Part 1): 1964 RA
136	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible oils & fats	Unsaponification matter	FSSAI Manual open Reflux and Tiration method / IS 548 (Part 1): 1964 RA
137	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Groundnut, Pistachio, Almond, Cashew, walnut, peanut, apricot nut, Peanut Butter	Acid insoluble ash	IS 4706 (Part 2) 1978 RA.
138	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Groundnut, Pistachio, Almond, Cashew, walnut, peanut, apricot nut, Peanut Butter	Carbohydrates	SOP EF - 034 Issue No : 01/15.12.2014
139	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Groundnut, Pistachio, Almond, Cashew, walnut, peanut, apricot nut, Peanut Butter	Crude Fibre	AOAC 20th Edition.2016 920.86:
140	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Groundnut, Pistachio, Almond, Cashew, walnut, peanut, apricot nut, Peanut Butter	Energy	SOP EF - 034 Issue No : 01/15.12.2014:
141	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Groundnut, Pistachio, Almond, Cashew, walnut, peanut, apricot nut, Peanut Butter	Fat	AOAC 20th Edition. 2016 .920.85:
142	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Groundnut, Pistachio, Almond, Cashew, walnut, peanut, apricot nut, Peanut Butter	Moisture	AOAC 20th Edition.2016 .925.10 AOAC 19th Edition.2012 .984.20
143	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Groundnut, Pistachio, Almond, Cashew, walnut, peanut, apricot nut, Peanut Butter	Protein	AOAC 20th Edition.2016 920.87:
144	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Groundnut, Pistachio, Almond, Cashew, walnut, peanut, apricot nut, Peanut Butter	Total Ash	AOAC 20th Edition.2016 .923.03:
145	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Alkalinity	SOP No. ESO -037 03/04.08.14
146	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Bulk Density	IS 2720(Part 3)Sec 2 : 1980 / RA
147	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Calcium Carbonate	IS 2720(Part 23) : 1976 / RA
148	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Color	SOP No. ESO -010 Issue / Rev No / Date 03/04.08.14 / 01/04.08.14

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149	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Consistency	SOP No. ESO -011 Issue / Rev No / Date 03/04.08.14 / 01/04.08.14
150	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Electrical Conductivity	IS 14767 : 2000 / FAO 2007 / RA
151	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Nitrates	IS 14684 : 1999 (RA 2014/ IS 3025(Part 34) : 1988 (RA 2019) Ultraviolet Spectro Photometric Method
152	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Oil / Grease	SOP No. ESO -039 03/04.08.14
153	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Organic Matter	IS 2720(Part 22) : 1972 RA
154	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	pH	IS 2720(Part 26) : 1987 RA
155	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Sodium absorption Ratio	SOP No. ESO -038 03/04.08.14
156	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Specific Gravity	IS 2720(Part 3)Sec2 : 1980 RA
157	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Sulphates	IS 2720(Part 27) : 1977 RA
158	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Texture	SOP No. ESO -036 Issue / Rev No / Date 03/04.08.14 / 01/04.08.14
159	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Total Nitrogen	IS 14684 : 1999 / FAO 2007 RA
160	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Total Phosphorous	IS 14684 : 1999 RA
161	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Total Soluble Solids	IS 2720(Part 21) : 1977 RA
162	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Total Soluble Sulphate	IS 2720(Part 27) : 1977 RA
163	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Water Content	IS 2720(Part 2) : 1973 RA
164	CHEMICAL- POLLUTION & ENVIRONMENT	Solid Wastes - Sludge, Sediment, Water Formed Deposits	Moisture	IS 13624 : 1993 RA
165	CHEMICAL- POLLUTION & ENVIRONMENT	Solid Wastes - Sludge, Sediment, Water Formed Deposits	Calcium	IS 13624 : 1993 RA

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166	CHEMICAL- POLLUTION & ENVIRONMENT	Solid Wastes - Sludge, Sediment, Water Formed Deposits	Calcium	USEPA 3050B- 1996
167	CHEMICAL- POLLUTION & ENVIRONMENT	Solid Wastes - Sludge, Sediment, Water Formed Deposits	Loss on Ignition	IS 13624 : 1993 RA
168	CHEMICAL- POLLUTION & ENVIRONMENT	Solid Wastes - Sludge, Sediment, Water Formed Deposits	Oil and Grease	IS 13624 : 1993 RA
169	CHEMICAL- POLLUTION & ENVIRONMENT	Solid Wastes - Sludge, Sediment, Water Formed Deposits	Phosphates	IS 13624 : 1993 RA
170	CHEMICAL- POLLUTION & ENVIRONMENT	Solid Wastes - Sludge, Sediment, Water Formed Deposits	Potassium	USEPA 3050B- 1996
171	CHEMICAL- POLLUTION & ENVIRONMENT	Solid Wastes - Sludge, Sediment, Water Formed Deposits	Silica	IS 2720(Part 25): 1982 RA
172	CHEMICAL- POLLUTION & ENVIRONMENT	Solid Wastes - Sludge, Sediment, Water Formed Deposits	Sodium	USEPA 3050B- 1996
173	CHEMICAL- POLLUTION & ENVIRONMENT	Solid Wastes - Sludge, Sediment, Water Formed Deposits	Sulphate	IS 13624 : 1993 RA
174	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Aluminum as Al	APHA 23rd Edition 2017 IS 3025(Part 55) : RA (2019) Eriochrome Cyanine R Method
175	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Anionic Surfactants	APHA 23rd Edition 2017 5540 C / P 5 – 50 MBAS Method
176	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Appearance	APHA 23nd Edition 2012 /2110 Test No.9 Visual Comparison Method
177	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Arsenic as As	APHA 23rd Edition 2017 3500-As / P3- 61 Atomic Absorption Spectrometric Method
178	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Biochemical Oxygen Demand 3 days @ 27°C & 5 days @ 25°C	APHA 23rd Edition 2017 5210 B/ P 5-10 Oxygen Depletion Method / IS 3025(Part 44) : 1993 RA
179	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Borate as B	Annex.H of IS 13428 2005 IS 3025(Part 57) : 2005 (RA 2017) Curcumin Method
180	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Boron as B	APHA 23rd Edition 2017 4500 B B / P 4 – 23 Curcumin Method

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181	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Bromide as Br	APHA 23rd Edition 2017 4500Br B /P 4-23 Spectrophotometric Method /IS 3025(Part 30) : 1988 RA
182	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Calcium as ca	APHA 23rd Edition 2017 3500 Ca B /P 3-65 Calculation Method /IS 3025(Part 40) : 1991 RA
183	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Calcium Hardness as CaCO3	APHA 23rd Edition 2017 3500 Ca B / P 3 – 65 EDTA Titrimetric Method
184	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Carbonate Hardness as CaCO3	APHA 23rd Edition 2017 2340A / P 2-37 Calculation Method
185	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Carbonates / bicarbonates	IS 3025(Part 51) : Titrimetric Method RA
186	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Chemical Oxygen Demand	APHA 23rd Edition 2017 5220 B/ P 5-15 Open Reflux Method /IS 3025(Part 58) : 2006 RA
187	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Chlorides as Cl	APHA 23rd Edition 2017 4500 Cl- B / P 4-70 Argenometric Method /IS 3025(Part 32) : 1988 RA
188	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Chromium - Total as Cr	APHA 23rd Edition 2017 3500 Cr / P 3- 67 1,5 Diphenylcarbazide Method / IS 302(Part 52) : 2003 RA
189	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Chromium -Hexavalent as cr+6	APHA 23rd Edition 2017 3500 Cr / P 3- 67 1,5 Diphenylcarbazide Method / IS 302(Part 52) : 2003 RA
190	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Colloidal Silica as SiO2	APHA 23rd Edition 2017 4500 SiO2 C/ P 4-165 Molybdosilicate Method /IS 3025(Part 35) : 1988 RA
191	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Color	APHA 23rd Edition 2017 2120B / P 2-2 Visual Comparison Method /IS 3025(Part 4) : 1983 RA
192	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Copper as Cu	APHA 23rd Edition 2017 3500 Cu B/P 3-72 Atomic Absorption Spectrometric Method / IS 3025(Part 42) : 1992 RA

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193	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Cyanide as CN	APHA 23rd Edition 2017 4500-CN- E/ P 4-42 Calorimetric Method
194	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Dissolved Iron as Fe	APHA 23rd Edition 2017 3500 Fe- B/ P 3-77 1,10 Phenanthroline Method /IS 3025(Part 53) : 2003 RA
195	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Dissolved oxygen	APHA 23rd Edition 2017 4500 O B/ P 4-136 Iodometric Method / IS 3025(Part 38) : 1989 RA
196	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Dissolved Phosphorous as P	APHA 23rd Edition 2017 4500 P Stannous Chloride Method / IS 3025(Part 31) : 1988 RA
197	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Electrical Conductivity	APHA 23rd Edition 2017/ 2510 B / P 2-47 Electrometric Method / IS 3025(Part 14) : 2013 RA
198	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Ferrous Iron as Fe	APHA 23rd Edition 2017 3500 Fe- B/ P 3-77 1,10 Phenanthroline Method / IS 3025(Part 53) : 2003 RA
199	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Fixed Solids Ignited at 550oC (MLFS)	APHA 23rd Edition 2017 2540 E Gravimetric Method / IS 3025 (PART 15) RA
200	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Fluoride as F	APHA 23rd Edition 2017 4500 F D / P 4-85 SPADNS Colorimetric Method
201	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Free Ammonia as NH3	APHA 23rd Edition 2017 4500 NH3 Nesslerization Method / IS 3025(Part 4) : 1988 RA
202	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Free carbon dioxide as CO2	APHA 23rd Edition 2017 4500 CO2 C / P 4-33 Titrimetric Method
203	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Free Residual Chlorine as Cl2	APHA 23rd Edition 2017 4500 Cl B/ P 4-58 Iodometric Method /IS 3025(Part 26) : 1986 RA
204	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Iron as Fe	APHA 23rd Edition 2017 3500 Fe- B/ P 3-77 1,10 Phenanthroline Method / IS 3025(Part 53) : 2003 RA

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205	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Langlier and Ryznar Index	SOP EC 079 Issue No/Date 03/4.08.2014 calculation method
206	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Lead as Pb	APHA 23rd Edition 2017 3500 Pb B / P 3 -80 Atomic Absorption Spectrometric Method / IS 3025(Part 47) : 1994 RA
207	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Magnesium as Mg	APHA 23rd Edition 2017 2340 C / P 3-84 Calculation Method / IS 3025(Part 46) : 1994 RA
208	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Magnesium Hardness as CaCO3	APHA 23rd Edition 2017 3500 Mg- B/ P 3 – 83 Calculation Method
209	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water	Manganese as Mn	APHA 23rd Edition 2017 3500 Mn B /P 3-84 Periodate Colorimetric Method / IS 3025(Part 59) : 2006 RA
210	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Nickel as Ni	IS 3025(Part 54) : 2003 Atomic Absorption Spectrometric Method / RA
211	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Nitrate as NO3	APHA (23 rd Edition) 2017 - 4500 NO3 BIS 3025(Part 34) : 1988 Ultraviolet Spectro Photometric screening Method RA
212	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Nitrite as NO2	IS 3025(Part 34) : 1988 NEEDA Method RA
213	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Nitrogen Ammonical as NH3-N	IS 3025(Part 34) : 1988 Titrimetric Method RA
214	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Nitrogen Total as N	IS 3025(Part 34) : 1988 Titrimetric Method RA
215	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Non carbonate- Hardness as CaCO3	APHA 23rd Edition 2017 2340A/ P 2-37 Calculation Method
216	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Oil and Grease	APHA 23rd Edition 2017 5520 D Partition Gravimetric Method / IS3025(Part 39) : 1991 RA
217	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Oil and Grease	APHA 23rd Edition 2017 5520 O/G B,C Partition Gravimetric Method / IS 3025 (Part 39) : 1991 RA

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218	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Organic Nitrogen as N	IS 3025(Part 34) : 1988 Titrimetric Method RA
219	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Oxygen Absorbed after 4 hrs	IS 3025(Part 63) : 2007 Iodometric Method RA
220	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Particulate Size of Suspended Sediments	IS 6339 : 2018 By Sieve Method / RA
221	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Percentage Sodium	IS 11624: 1986 Calculation method / RA
222	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	pH Value	APHA 23rd Edition 2017 4500 H+ /P 4-90 Electrometric Method /IS 3025(Part 11) : 1983 RA
223	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Phenolic compounds	APHA 23rd Edition 2017 5530 C / P 5-45 Chloroform Extraction Method /IS 3025(Part 43) : 1992 RA
224	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Potassium as K	APHA 23rd Edition 2017 3500 K B / P 3-98 Flame Emission Photometric Method /IS 3025(Part 45) : 1993 RA
225	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Reactive Silica as SiO2	APHA 23rd Edition 2017 4500 SiO2 C/ P 4-165 Molybdosilicate Method /IS 3025(Part 35) : 1988 RA
226	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Residual Sodium Carbonate	IS11624 :1986 Calculation method/ RA
227	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Settleable Solids	APHA 23rd Edition 2017 2540 F/ P 2 -59 Gravimetric Method /IS 3025(Part 19) : 1984 RA
228	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Sludge volume index	APHA 23rd Edition 2017 2710D/ P 2-81 Gravimetric Method
229	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Sodium Absorption Ratio	IS11624 : 1986(RA 2009) Calculation method
230	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Sodium as Na	APHA 23rd Edition 2017 3500 Na B / P 3-98 Flame Emission Photometric Method /IS 3025(Part 45) : 1993 RA

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231	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Sulfide as S	APHA 23rd Edition 2017 4500 S2– F/P 4-176 Titrimetric Iodine Method/IS 3025(Part 29) : 1986 RA
232	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Sulphates as SO4	APHA 23rd Edition 2017 4500 SO42- E / P 4-188 Turbidity Method/IS 3025(Part 24) : 1986 RA
233	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Sulphite as SO3	APHA 23rd Edition 2017 4500 S03 2 –B / P 4 -183 Iodide – Iodate Titrimetric Method /IS 3025(Part 28) : 1986 RA
234	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Temperature	APHA 23rd Edition 2017 2550 B/ P 2-61 By Using Thermometer /IS 3025(Part 9) : 1984 RA
235	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Total Solids	APHA 23rd Edition 2017 2540B / P 2 -56 Gravimetric Method /IS 3025(Part 15) : 1984 RA
236	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Total Phosphorous as P	APHA 23rd Edition 4500 P- D Stannous Chloride Method /IS 3025(Part 31) : 1988 RA
237	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Total Acidity as CaCO3	APHA 23rd Edition 2017 2310 B/ P 2-24 Titrimetric Method / IS 3025(Part 22) : 1986 RA
238	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Total Alkalinity as CaCO3	APHA 23rd Edition 2017 2320 B / P 2 – 27 Titrimetric Method /IS 3025(Part 23) : 1986 RA
239	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Total Dissolved Solids	APHA 23rd Edition 2017 2540 C /P 2 -58 Gravimetric Method /IS 3025(Part 16) : 1984 RA
240	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Total Hardness as CaCO3	APHA 23rd Edition 2017 2340 C / P 2 – 37 EDTA Titrimetric Method /IS 3025(Part 21) : 2009 RA
241	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Total Silica as SiO2	APHA 23rd Edition 2017 4500 SiO2 C/P 4-165 Molybdosilicate Method / IS 3025(Part 35) : 1988 RA
242	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Total Suspended Solids Dried at 103 - 105oC (MLSS)	APHA 23rd Edition 2017 2540 D Gravimetric Method

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243	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Turbidity	APHA 23rd Edition 2017 /2130 B /P 2-9 Nephelometric Method /IS 3025(Part 10) : 1984 RA
244	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Volatile Solids Ignited at 550 oC (MLVS)	APHA 23rd Edition 2017 2540 E Gravimetric Method
245	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Zinc as Zn	APHA 23rd Edition 2017 3500 Zn B / P 3 – 106 7 Atomic Absorption Spectrometric Method / IS 3025(Part 49) : 1994 RA
246	CHEMICAL- WATER	Packaged Drinking Water, Drinking Water, Natural mineral Drinking Water	Carbonates / bicarbonates	IS 3025(Part 51)TITRIMETRIC METHOD
247	CHEMICAL- WATER	Packaged Drinking Water, Drinking Water, Natural mineral Drinking Water	Color	APHA (23rd Edition) 2017/2120B/P 2- 2 Visual Comparison Method/IS 3025 (part 4) :1983 RA
248	CHEMICAL- WATER	Packaged Drinking Water, Drinking Water, Natural mineral Drinking Water	Sulphates as SO4	APHA (23rd Edition) 2017/ 4500 SO42- E /P 4 – 188 Turbidity Method/IS 3025(Part 24) : 1986 RA
249	CHEMICAL- WATER	Packaged Drinking Water, Drinking Water, Natural mineral Drinking Water	Anionic Surfactants	APHA 23rd Edition 2017/ 5540 C / P 5 – 50 MBAS Method
250	CHEMICAL- WATER	Packaged Drinking Water, Drinking Water, Natural mineral Drinking Water	Appearance	APHA (23rd Edition)
251	CHEMICAL- WATER	Packaged Drinking Water, Drinking Water, Natural mineral Drinking Water	Borate as B	Annex.H of IS 13428 2005 IS 3025(Part 57) : 2005 (RA 2010) By Curcumin Method
252	CHEMICAL- WATER	Packaged Drinking Water, Drinking Water, Natural mineral Drinking Water	Boron as B	APHA 23rd Edition 2017 4500 B B / P 4 – 23 Curcumin Method
253	CHEMICAL- WATER	Packaged Drinking Water, Drinking Water, Natural mineral Drinking Water	Bromide as Br	APHA 23rd Edition 2017/ 4500Br B / P 4-23 Spectrophotometric Method/IS 3025(Part 30) : 1988 RA
254	CHEMICAL- WATER	Packaged Drinking Water, Drinking Water, Natural mineral Drinking Water	Calcium as ca	APHA 23rd Edition 2017/ 3500 Ca B /P 3 – 65 Calculation Method/IS 3025(Part 40) : 1991 RA
255	CHEMICAL- WATER	Packaged Drinking Water, Drinking Water, Natural mineral Drinking Water	Calcium Hardness as CaCO3	APHA 23rd Edition 2017/ 3500 Ca B /P 3 – 65 EDTA Titrimetric Method

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256	CHEMICAL- WATER	Packaged Drinking Water, Drinking Water, Natural mineral Drinking Water	Carbonate Hardness as CaCO3	APHA 23rd Edition 2017/ 2340A / P 2 -37 Calculation Method
257	CHEMICAL- WATER	Packaged Drinking Water, Drinking Water, Natural mineral Drinking Water	Chlorides as Cl	APHA 23rd Edition 2017/ 4500 Cl- B /P 4 – 70 Argenometric Method/IS 3025(Part 32) : 1988 RA
258	CHEMICAL- WATER	Packaged Drinking Water, Drinking Water, Natural mineral Drinking Water	Colloidal Silica as SiO2	APHA 23rd Edition 2017/ 4500 SiO2 C/ P 4-165 Molybdosilicate Method/IS 3025(Part 35) : 1988 RA
259	CHEMICAL- WATER	Packaged Drinking Water, Drinking Water, Natural mineral Drinking Water	Cyanide as CN	APHA 23rd Edition 2017/ 4500-CN - E-4-42 Calorimetric Method
260	CHEMICAL- WATER	Packaged Drinking Water, Drinking Water, Natural mineral Drinking Water	Dissolved Iron as Fe	APHA 23rd Edition 2017/ 3500 Fe- B/ P 3-77 1,10 Phenanthroline Method/IS 3025(Part 53) : 2003 RA
261	CHEMICAL- WATER	Packaged Drinking Water, Drinking Water, Natural mineral Drinking Water	Dissolved Phosphorous as P	APHA 23rd Edition N 2017 4500 P Stannous Chloride Method/IS 3025(Part 31) : 1988 RA
262	CHEMICAL- WATER	Packaged Drinking Water, Drinking Water, Natural mineral Drinking Water	Electrical Conductivity	APHA 23rd Edition 2017/ 2510 B /P 2 – 47 Electrometric Method/IS 3025(Part 14) : 2013 RA
263	CHEMICAL- WATER	Packaged Drinking Water, Drinking Water, Natural mineral Drinking Water	Ferrous Iron as Fe	APHA 23rd Edition 2017 3500 Fe- B/ 3-77 1,10 Phenanthroline Method/IS 3025(Part 53) : 2003 RA
264	CHEMICAL- WATER	Packaged Drinking Water, Drinking Water, Natural mineral Drinking Water	Fluoride as F	APHA 23rd Edition 2017/ 4500 F D /P 4 – 85 SPADNS Colorimetric Method
265	CHEMICAL- WATER	Packaged Drinking Water, Drinking Water, Natural mineral Drinking Water	Free Ammonia as NH3	APHA 23rd Edition 2017 4500 NH3 Nesslerization Method/IS 3025(Part 34) : 1988 RA
266	CHEMICAL- WATER	Packaged Drinking Water, Drinking Water, Natural mineral Drinking Water	Free carbon dioxide as CO2	APHA 23rd Edition 2017/ 4500 CO2 C /P 4 -33 Titrimetric Method
267	CHEMICAL- WATER	Packaged Drinking Water, Drinking Water, Natural mineral Drinking Water	Free Residual Chlorine as Cl2	APHA 23rd Edition 2017/ 4500 Cl B/P 4 – 58 Iodometric Method/IS 3025(Part 26) : 1986 RA

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268	CHEMICAL- WATER	Packaged Drinking Water, Drinking Water, Natural mineral Drinking Water	Iron as Fe	APHA 23rd Edition 2017/ 3500 Fe- B/ 3-77 / IS 3025(Part 53) : 2003 RA 1,10 Phenanthroline Method
269	CHEMICAL- WATER	Packaged Drinking Water, Drinking Water, Natural mineral Drinking Water	Magnesium as Mg	APHA 23rd Edn 2017 2340 C / P 3 - 84 Calculation Method/IS 3025(Part 46) : 1994 RA
270	CHEMICAL- WATER	Packaged Drinking Water, Drinking Water, Natural mineral Drinking Water	Magnesium Hardness as CaCO3	APHA 23rd Edition 2017 3500 Mg- B/P 3 – 83 Calculation Method
271	CHEMICAL- WATER	Packaged Drinking Water, Drinking Water, Natural mineral Drinking Water	Nitrate as NO3	APHA 23rd Edition 2017/ 4500 NO3 B Ultraviolet Spectro Photometric Screening Method
272	CHEMICAL- WATER	Packaged Drinking Water, Drinking Water, Natural mineral Drinking Water	Nitrite as NO2	IS 3025(Part 34) : 1988 (RA 2009) NEEDA Method
273	CHEMICAL- WATER	Packaged Drinking Water, Drinking Water, Natural mineral Drinking Water	Nitrogen Total as N	IS 3025(Part 34) : 1988 (RA 2009) Titrimetric Method
274	CHEMICAL- WATER	Packaged Drinking Water, Drinking Water, Natural mineral Drinking Water	Nitrogen Ammoniacal as NH3-N	IS 3025(Part 34) : 1988 (RA 2009) Titrimetric Method
275	CHEMICAL- WATER	Packaged Drinking Water, Drinking Water, Natural mineral Drinking Water	Non carbonate- Hardness as CaCO3	APHA 23rd Edition 2017/ 2340A/P 2 -37 Calculation Method
276	CHEMICAL- WATER	Packaged Drinking Water, Drinking Water, Natural mineral Drinking Water	Odor	IS 3025 (part 5) :2018 Threshold Odor Method
277	CHEMICAL- WATER	Packaged Drinking Water, Drinking Water, Natural mineral Drinking Water	Oil and Grease (Mineral Oil)	APHA 23rd Edition 2017/ 5520 O/G B,C Partition Gravimetric Method/IS 3025 (Part:39)1991 RA
278	CHEMICAL- WATER	Packaged Drinking Water, Drinking Water, Natural mineral Drinking Water	Oxygen Absorbed after 4 hrs	IS 3025(Part 63) : (RA 2007) Iodometric Method
279	CHEMICAL- WATER	Packaged Drinking Water, Drinking Water, Natural mineral Drinking Water	Particulate Size of Suspended Sediments	IS 6339 : 2013 By Sieve Method
280	CHEMICAL- WATER	Packaged Drinking Water, Drinking Water, Natural mineral Drinking Water	Percentage Sodium	IS 11624 : 1986(RA 2015) By Calculation Method
281	CHEMICAL- WATER	Packaged Drinking Water, Drinking Water, Natural mineral Drinking Water	pH Value	APHA (23rd Edition) 2017/ 4500 H+/P 4-90 Electrometric Method/IS 3025 (part 11) :1983 RA

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282	CHEMICAL- WATER	Packaged Drinking Water, Drinking Water, Natural mineral Drinking Water	Phenolic compounds	APHA 23rd Edn 2017 5530 C / P 5 – 45 Chloroform Extraction Method/IS 3025(Part 43) : 1992 RA
283	CHEMICAL- WATER	Packaged Drinking Water, Drinking Water, Natural mineral Drinking Water	Potassium as K	APHA 23rd Edition 2017/ 3500 K B / P 3-98 Flame Emission Photometric Method/IS 3025(Part 45) : 1993 RA
284	CHEMICAL- WATER	Packaged Drinking Water, Drinking Water, Natural mineral Drinking Water	Reactive Silica as SiO2	APHA 23rd Edition 2017/ 4500 SiO2 C/P 4 -165 Molybdosilicate Method/IS 3025(Part 35) : 1988 RA
285	CHEMICAL- WATER	Packaged Drinking Water, Drinking Water, Natural mineral Drinking Water	Residual Sodium Carbonate	IS11624 : 1986 RA 2015) By Calculation Method
286	CHEMICAL- WATER	Packaged Drinking Water, Drinking Water, Natural mineral Drinking Water	Sodium Absorption Ratio	IS11624 : 1986 (RA 2015) By Calculation Method
287	CHEMICAL- WATER	Packaged Drinking Water, Drinking Water, Natural mineral Drinking Water	Sodium as Na	APHA 23rd Edition 2017/ 3500 Na B / P 3-98 Flame Emission Photometric Method/IS 3025(Part 45) : 1993 RA
288	CHEMICAL- WATER	Packaged Drinking Water, Drinking Water, Natural mineral Drinking Water	Sulphide as H2S	APHA 23rd Edn 2017 4500 S2– F/ P 4 – 176 Titrimetric Iodine Method/IS 3025(Part 29) : 1986 RA
289	CHEMICAL- WATER	Packaged Drinking Water, Drinking Water, Natural mineral Drinking Water	Sulphite as SO3	APHA 23rd Edition 2017/ 4500 S03 2 –B / P 4 -183 Iodide – Iodate Titrimetric Method/IS 3025(Part 28) : 1986 RA
290	CHEMICAL- WATER	Packaged Drinking Water, Drinking Water, Natural mineral Drinking Water	Temperature	APHA 23rd Edition 2017/ 2550 B / P 2- 61 Using Thermometer/IS 3025(Part 9) : 1984 RA
291	CHEMICAL- WATER	Packaged Drinking Water, Drinking Water, Natural mineral Drinking Water	Total Solids	APHA 23rd Edition 2017/ 2540B/P 2 -56 Gravimetric Method/IS 3025(Part 15) :1984RA
292	CHEMICAL- WATER	Packaged Drinking Water, Drinking Water, Natural mineral Drinking Water	Total Phosphorous as P	IS 3025(Part 31) : 1988 (RA 2019) / APHA4500 P D Stannous Chloride Method
293	CHEMICAL- WATER	Packaged Drinking Water, Drinking Water, Natural mineral Drinking Water	Total Acidity as CaCO3	APHA 23rd Edition 2017 /2310 B/P 2 – 24 Titrimetric Method /IS 3025(Part 22) : 1986 RA

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294	CHEMICAL- WATER	Packaged Drinking Water, Drinking Water, Natural mineral Drinking Water	Total Alkalinity as CaCO3	APHA 23rd Edition 2017/ 2320 B / P 2 – 27 Titrimetric Method/IS 3025(Part 23) : 1986 RA
295	CHEMICAL- WATER	Packaged Drinking Water, Drinking Water, Natural mineral Drinking Water	Total Dissolved Solids	APHA (23rd Edition) 2017/ 2540 C / P 2-58 Gravimetric Method/IS 3025 (part 16) :1984 RA
296	CHEMICAL- WATER	Packaged Drinking Water, Drinking Water, Natural mineral Drinking Water	Total Hardness as CaCO3	APHA 23rd Edition 2017 / 2340 C / P 2 – 37 EDTA Titrimetric Method/IS 3025(Part 21) : 2009 RA
297	CHEMICAL- WATER	Packaged Drinking Water, Drinking Water, Natural mineral Drinking Water	Total Silica as SiO2	APHA 23rd Edition 2017/ 4500 SiO2 C/ P 4-165 Molybdosilicate Method/IS 3025(Part 35) : 1988 RA
298	CHEMICAL- WATER	Packaged Drinking Water, Drinking Water, Natural mineral Drinking Water	Total Suspended Solids	APHA 23rd Edition 2017/ 2540 D /2 -58 / IS 3025(Part 17) : 1984 (RA 2012) Gravimetric Method
299	CHEMICAL- WATER	Packaged Drinking Water, Drinking Water, Natural mineral Drinking Water	Turbidity	APHA (23rd Edition) 2017/2130B/P 2- 9 Nephelometric Method/IS 3025 (part 10) :1984 RA
300	CHEMICAL- WATER	Packaged Drinking Water, Drinking Water, Natural mineral Drinking Water	Zinc as Zn	APHA 23rd Edition 2017/ 3500 Zn B / PP 3 – 106 Atomic Absorption Spectrometric Method/IS 3025(Part 49) : 1994 RA
301	CHEMICAL- WATER	Reagent Grade Water	Color Retention of KMnO4 at 27o C	IS 1070 : 1992 Annex A Iodometric Method RA
302	CHEMICAL- WATER	Reagent Grade Water	pH Value	APHA 23rd Edition 2017 4500 H+ / P 4-90 Electrometric Method / IS 3025(Part 11) : 1983 RA
303	CHEMICAL- WATER	Reagent Grade Water	Silica as SiO2	APHA 23rd Edition 2017 4500 SiO2 C/ P 4-165 Molybdosilicate Method /IS 3025(Part 35) : 1988 RA
304	CHEMICAL- WATER	Reagent Grade Water	Specific Conductivity	APHA 23rd Edition 2017 2510 B / P 2-47 Electrometric Method

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305	CHEMICAL- WATER	Reagent Grade Water	Total Solids	APHA 23rd Edition 2017 2540B / P 2 -56 Gravimetric Method / S 3025(Part 15) : 1984
306	CHEMICAL- WATER	Water for construction purpose	b)To neutralize 100ml of sample water using Mixed indicator using 0.02N H2SO4	APHA 23rd Edition 2017 2320 B IS 3025(Part 23) : 1986 Titration Method
307	CHEMICAL- WATER	Water for construction purpose	Chlorides as Cl	APHA 23rd Edition 2017 4500 Cl- B / P 4-70 Argenometric Method/IS 3025(Part 32) : 1988 RA
308	CHEMICAL- WATER	Water for construction purpose	Inorganic Solids	APHA 23rd Edition 2017 2540 B/E Gravimetric Method/ IS 3025 (Part 18):1984
309	CHEMICAL- WATER	Water for construction purpose	Organic Solids	APHA 23rd Edition 2017 2540 B/E Gravimetric Method / IS 3025 (Part 18)
310	CHEMICAL- WATER	Water for construction purpose	pH Value	APHA 23rd Edition 2017 4500 H+ / P 4-90 Electrometric Method/IS 3025(Part 11) : 1983 RA
311	CHEMICAL- WATER	Water for construction purpose	Sulphates as SO3	APHA 23rd Edition 2017 4500 SO42- E / P 4-188 Turbidity Method/IS 3025(Part 24) : 1986 RA
312	CHEMICAL- WATER	Water for construction purpose	Total Suspended Solids	APHA 23rd Edition 2017 2540 D /2 -58 / IS 3025(Part 17) : 1984 Gravimetric Method
313	CHEMICAL- WATER	Water for construction purpose	Water Neutralization a)To neutralize 100ml of sample water using phenolphthalein as an indicator using 0.02 N NaOH	APHA 23rd Edition 2017 2310 B Titration Method/IS 3025(Part 22) : 1986 RA
314	CHEMICAL- WATER	Water for Processed Food Industry , Ground Water, surface water, Irrigation water, Water from Purifiers	Total Solids	APHA 23rd Edition 2017 2540B / P 2 -56 Gravimetric Method / IS 3025(Part 15) : 1984
315	CHEMICAL- WATER	Water for Processed Food Industry , Ground Water, surface water, Irrigation water, Water from Purifiers	Turbidity	APHA 23rd Edition 2017 /2130B/P 2-9 Nephelometric Method/ IS 3025(Part 10) : 1984 RA
316	CHEMICAL- WATER	Water for Processed Food Industry , Ground Water, surface water, Irrigation water, Water from Purifiers	Odor	Threshold Odor Method IS 3025(Part 5)

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317	CHEMICAL- WATER	Water for Processed Food Industry , Ground Water, surface water, Irrigation water, Water from Purifiers	Boron as B	APHA 23rd Edition 2017 :4500 BB/P4-23
318	CHEMICAL- WATER	Water for Processed Food Industry , Ground Water, surface water, Irrigation water, Water from Purifiers	Chlorides as Cl	IS 3025(Part 32) : 1988 / APHA 23rd Edition 2017 4500 Cl- B / P 4-70 Argenometric Method
319	CHEMICAL- WATER	Water for Processed Food Industry , Ground Water, surface water, Irrigation water, Water from Purifiers	Color	APHA 23rd Edition 2017 2120B /P2-2 Visual Comparision Method / IS 3025(Part 4) : 1983 RA
320	CHEMICAL- WATER	Water for Processed Food Industry , Ground Water, surface water, Irrigation water, Water from Purifiers	Cyanide as CN	APHA 23rd Edition 2017 4500-CN - E-4-42 Calorimetric Method
321	CHEMICAL- WATER	Water for Processed Food Industry , Ground Water, surface water, Irrigation water, Water from Purifiers	Fluoride as F	APHA 23rd Edition 2017 4500 F D / P 4-85 SPADNS Colorimetric Method
322	CHEMICAL- WATER	Water for Processed Food Industry , Ground Water, surface water, Irrigation water, Water from Purifiers	Iron as Fe	APHA 23rd Edition 2017 3500 Fe- B/ P 3-77 / IS 3025(Part 53) : 1,10 Phenanthroline Method RA
323	CHEMICAL- WATER	Water for Processed Food Industry , Ground Water, surface water, Irrigation water, Water from Purifiers	Magnesium as Mg	IS 3025(Part 46) :RA / APHA 23rd Edition 2017 2340 C / P 3-84 Calculation Method
324	CHEMICAL- WATER	Water for Processed Food Industry , Ground Water, surface water, Irrigation water, Water from Purifiers	Nitrate as NO3	APHA 23rd Edition 2017 4500 NO3 B Ultraviolet Spectro Photometric Screening Method
325	CHEMICAL- WATER	Water for Processed Food Industry , Ground Water, surface water, Irrigation water, Water from Purifiers	Percentage Sodium	IS:11624:1986(RA2015)Calculation Method
326	CHEMICAL- WATER	Water for Processed Food Industry , Ground Water, surface water, Irrigation water, Water from Purifiers	pH Value	APHA 23rd Edition 2017 4500 H+ / P 4-90 Electrometric Method/IS 3025(Part 11) :RA
327	CHEMICAL- WATER	Water for Processed Food Industry , Ground Water, surface water, Irrigation water, Water from Purifiers	Phenolic compounds	APHA 23rd Edition 2017 5530 C / P -45 Chloroform Extraction Method/ IS 3025(Part 43) : 1992 RA
328	CHEMICAL- WATER	Water for Processed Food Industry , Ground Water, surface water, Irrigation water, Water from Purifiers	Residual Sodium Carbonate	IS:11624:1986(RA2015)Calculation Methods
329	CHEMICAL- WATER	Water for Processed Food Industry , Ground Water, surface water, Irrigation water, Water from Purifiers	Sodium Absorption Ratio	IS:11624:1986(RA2015) Calculation Method

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330	CHEMICAL- WATER	Water for Processed Food Industry , Ground Water, surface water, Irrigation water, Water from Purifiers	Sulphates as SO4	APHA 23rd Edition 2017 4500 SO42- E / P 4-188 Turbidity Method/IS 3025(Part 24) : 1986 RA
331	CHEMICAL- WATER	Water for Processed Food Industry , Ground Water, surface water, Irrigation water, Water from Purifiers	Total Hardness as CaCO3	APHA 23rd Edition 2017 / 2340 C / P 2 – 37 EDTA Titrimetric Method/IS 3025(Part 21) : 2009 RA
332	CHEMICAL- WATER	Water for Processed Food Industry , Ground Water, surface water, Irrigation water, Water from Purifiers	Arsenic as As	APHA 23rd Edition 2017 3500-As / P 3-61 Silver Diethyldithiocarbamate Method
333	CHEMICAL- WATER	Water for Processed Food Industry , Ground Water, surface water, Irrigation water, Water from Purifiers	Chromium - Total as Cr	IS 3025(Part 52) RA / APHA 23rd Edition 2017/ 3500 Cr / P 3- 67 1,5-Diphenylcarbazide Method
334	CHEMICAL- WATER	Water for Processed Food Industry , Ground Water, surface water, Irrigation water, Water from Purifiers	Copper as Cu	IS 3025(Part 42) : RA / APHA 23rd Edition 2017 3500 Cu B/ P 3-72 Atomic Absorption Spectrometric Method
335	CHEMICAL- WATER	Water for Processed Food Industry , Ground Water, surface water, Irrigation water, Water from Purifiers	Lead as Pb	IS 3025(Part 47) : RA / APHA 23rd Edition 2017 3500 Pb B / P 3 -80 Atomic Absorption Spectrometric Method
336	CHEMICAL- WATER	Water for Processed Food Industry , Ground Water, surface water, Irrigation water, Water from Purifiers	Manganese as Mn	APHA(23RD EDITION)2017 3500 Mn B/P 3-72 atomic absorption spectrometri methodIS 3025 (PART 59):2006 RA
337	CHEMICAL- WATER	Water for Processed Food Industry , Ground Water, surface water, Irrigation water, Water from Purifiers	Zinc as Zn	APHA 22rd Edition 2017/ 3500 Zn B / P 3 – 106 Atomic Absorption Spectrometric Method/IS 3025(Part 49) : 1994 RA
338	CHEMICAL- WATER	Water for Swimming Pool	Aluminium as Al	APHA 23rd Edition 2017 Eriochrome Cyanine R Method/IS 3025(Part 55) : RA
339	CHEMICAL- WATER	Water for Swimming Pool	Chlorides as Cl	APHA 23rd Edition 2017/ 4500 Cl- B / P 4-70 Argenometric Method/IS 3025(Part 32) : 1988 RA

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340	CHEMICAL- WATER	Water for Swimming Pool	Color	APHA 23rd Edition 2017/ 2120B / P 2-2 By Visual Comparision Method/IS 3025(Part 4) : 1983 RA
341	CHEMICAL- WATER	Water for Swimming Pool	Free Residual Chlorine as Cl2	APHA 23rd Edition 2017/ 4500 Cl B/ P 4-58 Iodometric Method/IS 3025(Part 26) : 1986 RA
342	CHEMICAL- WATER	Water for Swimming Pool	Iron	APHA 23rd Edition 2017 3500 Fe- B/ P 3-77 / IS 3025(Part 53) : 2003 (RA 2019) 1,10 Phenanthroline Method
343	CHEMICAL- WATER	Water for Swimming Pool	Lead as Pb	APHA 23rd EDITION 2017/ 3500 Pb B / P 3 -80 Atomic Absorption Spectrometric Method/IS 3025(Part 47) : 1994 RA
344	CHEMICAL- WATER	Water for Swimming Pool	Odor	IS 3025(Part 5) : 2018 Threshold Odor Method
345	CHEMICAL- WATER	Water for Swimming Pool	Oxygen Absorbed after 4 hrs at 27oC	IS 3025(Part 63) : 2007 Iodometric MethodRA
346	CHEMICAL- WATER	Water for Swimming Pool	pH Value	APHA 23rd Edition 2017/ 4500 H+ / P 4-90 Electrometric Method/IS 3025(Part 11)1983 RA
347	CHEMICAL- WATER	Water for Swimming Pool	Total Alkalinity as CaCO3	APHA 23rd Edition 2017/ 2320 B / P 2 – 27 Titrimetric Method/IS 3025(Part 23) : 1986 RA
348	CHEMICAL- WATER	Water for Swimming Pool	Total Dissolved Solids	APHA 23rd Edition 2017/ 2540 C / P 2 -58 Gravimetric Method/IS 3025(Part 16) : 1984 RA
349	CHEMICAL- WATER	Water for Swimming Pool	Turbidity	/ APHA 23rd Edition 2017/2130 B /P2-9 Nephelometric MethodIS 3025(Part 10) : 1984 RA

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.