National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	ATLAS LAB, 515/516, B WING, MAHESH BUILDING, 5TH FLOOR, SECTOR 15, CBD BELAPUR, THANE, NAVI MUMBAI, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
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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
Permanent Facility				
1	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Bakery Products	Total Sugar as Sucrose	FSSAI Lab Manual 3
2	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Biscuit	Acid Insoluble Ash	IS 1011
3	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Biscuit	Acidity of Extracted Fat	IS 1011
4	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Biscuit	Fat	IS 12711
5	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Biscuit	Moisture	IS 1011
6	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Caraway, Cardamom, Chillies and Capsicum, Cinnamon, Cassia, Cloves, Coriander, Cumin, Fennel, Fenugreek, Ginger, Mace, Mustard, Nutmeg, Pepper Black, Poppy, Turmeric, Curry Powder, Aniseed, Dried Mango Slices, Dried Mango Powder, Pepper White, Garlic, Celery, Dehydrated Onion, Asafoetida, Mixed Masala	Acid Insoluble Ash	IS 1797
7	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Caraway, Cardamom, Chillies and Capsicum, Cinnamon, Cassia, Cloves, Coriander, Cumin, Fennel, Fenugreek, Ginger, Mace, Mustard, Nutmeg, Pepper Black, Poppy, Turmeric, Curry Powder, Aniseed, Dried Mango Slices, Dried Mango Powder, Pepper White, Garlic, Celery, Dehydrated Onion, Asafoetida, Mixed Masala	Ash	IS 1797
8	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Caraway, Cardamom, Chillies and Capsicum, Cinnamon, Cassia, Cloves, Coriander, Cumin, Fennel, Fenugreek, Ginger, Mace, Mustard, Nutmeg, Pepper Black, Poppy, Turmeric, Curry Powder, Aniseed, Dried Mango Slices, Dried Mango Powder, Pepper White, Garlic, Celery, Dehydrated Onion, Asafoetida, Mixed Masala	Crude Fibre	IS 1797
9	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Caraway, Cardamom, Chillies and Capsicum, Cinnamon, Cassia, Cloves, Coriander, Cumin, Fennel, Fenugreek, Ginger, Mace, Mustard, Nutmeg, Pepper Black, Poppy, Turmeric, Curry Powder, Aniseed, Dried Mango Slices, Dried Mango Powder, Pepper White, Garlic, Celery, Dehydrated Onion, Asafoetida, Mixed Masala	Extraneous Matter	IS 1797

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10	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Caraway, Cardamom, Chillies and Capsicum, Cinnamon, Cassia, Cloves, Coriander, Cumin, Fennel, Fenugreek, Ginger, Mace, Mustard, Nutmeg, Pepper Black, Poppy, Turmeric, Curry Powder, Aniseed, Dried Mango Slices, Dried Mango Powder, Pepper White, Garlic, Celery, Dehydrated Onion, Asafoetida, Mixed Masala	Moisture	IS 1797
11	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Caraway, Cardamom, Chillies and Capsicum, Cinnamon, Cassia, Cloves, Coriander, Cumin, Fennel, Fenugreek, Ginger, Mace, Mustard, Nutmeg, Pepper Black, Poppy, Turmeric, Curry Powder, Aniseed, Dried Mango Slices, Dried Mango Powder, Pepper White, Garlic, Celery, Dehydrated Onion, Asafoetida, Mixed Masala	Non Volatile Ether Extract	IS 1797
12	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Caraway, Cardamom, Chillies and Capsicum, Cinnamon, Cassia, Cloves, Coriander, Cumin, Fennel, Fenugreek, Ginger, Mace, Mustard, Nutmeg, Pepper Black, Poppy, Turmeric, Curry Powder, Aniseed, Dried Mango Slices, Dried Mango Powder, Pepper White, Garlic, Celery, Dehydrated Onion, Asafoetida, Mixed Masala	Presence of Chromate	IS 3576
13	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Caraway, Cardamom, Chillies and Capsicum, Cinnamon, Cassia, Cloves, Coriander, Cumin, Fennel, Fenugreek, Ginger, Mace, Mustard, Nutmeg, Pepper Black, Poppy, Turmeric, Curry Powder, Aniseed, Dried Mango Slices, Dried Mango Powder, Pepper White, Garlic, Celery, Dehydrated Onion, Asafoetida, Mixed Masala	Volatile Oil	IS 1797
14	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Cereal and Cereal products, Pulses, Milk and Milk Products, Bakery products	Protein	IS 7219
15	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible oils & fats	Fatty acid composition-3.Oleic	IS 548 (Part 3/sec 1)
16	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible oils & fats	Fatty acid composition-1.Palmitic	IS 548 (Part 3 sec 1)
17	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible oils & fats	Acid Value	IS 548 (Part 1/ Sec 2)
18	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible oils & fats	Argemone Oil	IS 548 (Part 2)
19	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible oils & fats	Butyro Refractometer Reading @ 40 deg C	IS 548 (Part 1/Sec 2)

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20	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible oils & fats	Castor Oil (Molybdate Test)	IS 548 (Part 2)
21	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible oils & fats	Colour	IS 548 (Part 1/sec 2)
22	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible oils & fats	Cottonseed Oil (Halphen Test)	IS 548 (Part 2)
23	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible oils & fats	Fatty acid composition-10.Lignoceric	IS 548 (Part 3/sec 1)
24	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible oils & fats	Fatty acid composition-2.Stearic	IS 548 (Part 3/sec 1)
25	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible oils & fats	Fatty acid composition-4.Linoleic	IS 548 (Part 3/sec 1)
26	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible oils & fats	Fatty acid composition-5.Linolenic	IS 548 (Part 3/sec 1)
27	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible oils & fats	Fatty acid composition-6.Arachidic	IS 548 (Part 3/ sec 1)
28	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible oils & fats	Fatty acid composition-7.Behenic	IS 548 (Part 3/ sec 1)
29	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible oils & fats	Fatty acid composition-8.Arachidonic	IS 548 (Part 3/ sec 1)
30	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible oils & fats	Fatty acid composition-9.Erucic	IS 548 (Part 3/sec 1)
31	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible oils & fats	Flash Point	IS 1448 (Part 21)
32	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible oils & fats	Free Fatty Acid	IS 548 (Part 1/ Sec 2)
33	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible oils & fats	Iodine Value (Wij's)	IS 548 (Part 1/Sec 2)

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34	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible oils & fats	Mineral Oil (Holde Test)	IS 548 (Part 2)
35	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible oils & fats	Moisture	IS 548 (Part 1/Sec2)
36	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible oils & fats	Peroxide Value	IS 548 (Part 1/Sec2)
37	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible oils & fats	Refractive Index @ 40 deg C	IS 548 (Part 1/Sec2)
38	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible oils & fats	Saponification Value	IS 548 (Part 1/ Sec2)
39	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible oils & fats	Sesame Oil (Baudouin Test)	IS 548 (Part 2)
40	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible oils & fats	Specific Gravity @ 30 deg C/ 30 deg C	IS 548 (Part 1/Sec2)
41	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible oils & fats	Unsaponifiable Matter	IS 548 (Part 1/Sec2)
42	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Fruit Products	Total Sugar as Sucrose	FSSAI Lab Manual 5 (2.6)
43	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Ghee	Butyro Refractometer Reading @ 40 Degree C	IS 3508
44	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Ghee	Free Fatty Acid	IS 3508
45	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Ghee	Moisture	IS 3508
46	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Ghee	Reichert Meissl Value	IS 3508
47	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Ghee	Test for presence of Sesame Oil (Baudouin Test)	IS 548 (Part 2)

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48	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk and Milk Products	Total Sugar as Sucrose	FSSAI Lab Manual 1 (9.4.1)
49	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Olive Oil, Rapeseed Oil, Til Oil, Mustard Oil	Bellier Turbidity Temperature (BTT)	IS 548 (Part 2)
50	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Palm Oil	Melting Point	FSSAI Lab Manual 2
51	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Palmolein	Cloud Point	FSSAI Lab Manual 2
52	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Sugar and Confectioneries	Acid Insoluble Ash	IS 6287
53	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Sugar and Confectioneries	Sulphated Ash	IS 6287
54	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Sugar and Confectioneries	Total Sugar as Sucrose	FSSAI Lab Manual 4 (A9)
55	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Vanaspati	Acid Value	IS 548 (Part 1/sec 2)
56	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Vanaspati	Baudouin Test Colour in 1 cm cell	IS 10633
57	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Vanaspati	Free Fatty Acid	IS 548 (Part 1/Sec2)
58	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Vanaspati	Melting Point	IS 10633 (Annex BA)
59	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Vanaspati	Moisture	IS 548 (Part 1/Sec2)
60	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Vanaspati	Refractive Index @ 40 deg C	IS 548 (Part 1/Sec2)
61	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Vanaspati	Unsaponifiable Matter	IS 548 (Part 1/sec 2)

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62	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Wheat, Maize, Jowar, Bajra, Rice, Masur Whole, Masur Dal, Urd Whole, Urd Dal, Moong Whole, Moong Dal, Channa Whole, Channa Dal, Dal Arhar	Broken Grains	IS 4333 (Part 1)
63	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Wheat, Maize, Jowar, Bajra, Rice, Masur Whole, Masur Dal, Urd Whole, Urd Dal, Moong Whole, Moong Dal, Channa Whole, Channa Dal, Dal Arhar	Damaged/ Slightly Damaged Grains	IS 4333 (Part 1)
64	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Wheat, Maize, Jowar, Bajra, Rice, Masur Whole, Masur Dal, Urd Whole, Urd Dal, Moong Whole, Moong Dal, Channa Whole, Channa Dal, Dal Arhar	Discoloured Grains	IS 4333 (Part 1)
65	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Wheat, Maize, Jowar, Bajra, Rice, Masur Whole, Masur Dal, Urd Whole, Urd Dal, Moong Whole, Moong Dal, Channa Whole, Channa Dal, Dal Arhar	Extraneous Matter, Admixture, Foreign Matter	IS 4333 (Part 1)
66	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Wheat, Maize, Jowar, Bajra, Rice, Masur Whole, Masur Dal, Urd Whole, Urd Dal, Moong Whole, Moong Dal, Channa Whole, Channa Dal, Dal Arhar	Moisture	IS 4333 (Part 2)
67	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Wheat, Maize, Jowar, Bajra, Rice, Masur Whole, Masur Dal, Urd Whole, Urd Dal, Moong Whole, Moong Dal, Channa Whole, Channa Dal, Dal Arhar	Other Edible Grains	IS 4333 (Part 1)
68	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Wheat, Maize, Jowar, Bajra, Rice, Masur Whole, Masur Dal, Urd Whole, Urd Dal, Moong Whole, Moong Dal, Channa Whole, Channa Dal, Dal Arhar	Shrivelled/ Immature Grains	IS 4333 (Part 1)
69	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Wheat, Maize, Jowar, Bajra, Rice, Masur Whole, Masur Dal, Urd Whole, Urd Dal, Moong Whole, Moong Dal, Channa Whole, Channa Dal, Dal Arhar	Weevilled Grains	IS 4333 (Part 1)
70	CHEMICAL- LUBRICANTS	Coolant	Boiling Point	ASTM D1120
71	CHEMICAL- LUBRICANTS	Coolant	Chloride	ASTM D 3634
72	CHEMICAL- LUBRICANTS	Coolant	Freezing Point	ASTM D 3321
73	CHEMICAL- LUBRICANTS	Coolant	Glycol	ASTM D3321
74	CHEMICAL- LUBRICANTS	Coolant	pH	ASTM D1287-11
75	CHEMICAL- LUBRICANTS	Coolant	Reserve Alkalinity	ASTM D 1121-11
76	CHEMICAL- LUBRICANTS	Coolant	Water content	ASTM E 203
77	CHEMICAL- LUBRICANTS	Grease	Cone Penetration (Unworked)	ASTM D217
78	CHEMICAL- LUBRICANTS	Grease	Cone Penetration(Worked)	ASTM D 217
79	CHEMICAL- LUBRICANTS	Grease	Copper strip corrosion	ASTM D4048
80	CHEMICAL- LUBRICANTS	Grease	Drop Point	ASTM D 2265
81	CHEMICAL- LUBRICANTS	Lubricating oil	Copper strip corrosion	ASTM D0130
82	CHEMICAL- LUBRICANTS	Lubricating Oil	Aluminium	ASTM D6595

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83	CHEMICAL- LUBRICANTS	Lubricating oil	Aniline point	ASTM D611-12
84	CHEMICAL- LUBRICANTS	Lubricating oil	ASTM colour	ASTM D1500-12
85	CHEMICAL- LUBRICANTS	Lubricating Oil	Barium	ASTM D6595
86	CHEMICAL- LUBRICANTS	Lubricating Oil	Boron	ASTM D6595
87	CHEMICAL- LUBRICANTS	Lubricating Oil	Cadmium	ASTM D6595
88	CHEMICAL- LUBRICANTS	Lubricating Oil	Calcium	ASTM D6595
89	CHEMICAL- LUBRICANTS	Lubricating Oil	Chromium	ASTM D6595
90	CHEMICAL- LUBRICANTS	Lubricating oil	Cloud Point	ASTM D2500-17a
91	CHEMICAL- LUBRICANTS	Lubricating Oil	Copper	ASTM D6595
92	CHEMICAL- LUBRICANTS	Lubricating oil	Density@15°c	ASTM D7042
93	CHEMICAL- LUBRICANTS	Lubricating Oil	Flash Point -Cleveland Open Cup	ASTM D92
94	CHEMICAL- LUBRICANTS	Lubricating Oil	Foaming Characteristic	ASTM D892
95	CHEMICAL- LUBRICANTS	Lubricating oil	Glycol	ASTM E2412-10
96	CHEMICAL- LUBRICANTS	Lubricating oil	Insoluble in hexane, pentane, heptane, Benzene, Toluene	ASTM D893-14
97	CHEMICAL- LUBRICANTS	Lubricating Oil	Iron	ASTM D6595
98	CHEMICAL- LUBRICANTS	Lubricating Oil	Lead	ASTM D6595
99	CHEMICAL- LUBRICANTS	Lubricating Oil	Magnesium	ASTM D6595
100	CHEMICAL- LUBRICANTS	Lubricating Oil	Manganese	ASTM D6595
101	CHEMICAL- LUBRICANTS	Lubricating Oil	Molybdenum	ASTM D6595
102	CHEMICAL- LUBRICANTS	Lubricating Oil	Nickel	ASTM D6595
103	CHEMICAL- LUBRICANTS	Lubricating oil	Nitration	ASTM E2412-10
104	CHEMICAL- LUBRICANTS	Lubricating oil	Oxidation	ASTM E2412-10
105	CHEMICAL- LUBRICANTS	Lubricating Oil	Phosphorus	ASTM D6595
106	CHEMICAL- LUBRICANTS	Lubricating Oil	Potassium	ASTM D6595
107	CHEMICAL- LUBRICANTS	Lubricating Oil	Pour Point	ASTM D97-17b
108	CHEMICAL- LUBRICANTS	Lubricating oil	Rust Prevention	ASTM D655
109	CHEMICAL- LUBRICANTS	Lubricating Oil	Silicon	ASTM D6595
110	CHEMICAL- LUBRICANTS	Lubricating Oil	Silver	ASTM D6595
111	CHEMICAL- LUBRICANTS	Lubricating Oil	Sodium	ASTM D6595

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112	CHEMICAL- LUBRICANTS	Lubricating oil	Soot	ASTM E2412-10
113	CHEMICAL- LUBRICANTS	Lubricating oil	Sulphated ash	ASTM D 874 13a
114	CHEMICAL- LUBRICANTS	Lubricating Oil	Tin	ASTM D6595
115	CHEMICAL- LUBRICANTS	Lubricating Oil	Titanium	ASTM D6595
116	CHEMICAL- LUBRICANTS	Lubricating Oil	Total Acid Number	ASTM D664-18e2
117	CHEMICAL- LUBRICANTS	Lubricating Oil	Total Acid Number	ASTM D974
118	CHEMICAL- LUBRICANTS	Lubricating Oil	Total Base Number	ASTM D2896
119	CHEMICAL- LUBRICANTS	Lubricating Oil	Vanadium	ASTM D6595
120	CHEMICAL- LUBRICANTS	Lubricating Oil	Viscosity @ 100 deg C	ASTM D445-21e1
121	CHEMICAL- LUBRICANTS	Lubricating Oil	Viscosity @ 100 deg C	ASTM D7042:21a
122	CHEMICAL- LUBRICANTS	Lubricating Oil	Viscosity @ 40 deg C	ASTM D445-21e1
123	CHEMICAL- LUBRICANTS	Lubricating Oil	Viscosity @ 40 deg C	ASTM D7042:21a
124	CHEMICAL- LUBRICANTS	Lubricating Oil	Viscosity Index	ASTM D2270
125	CHEMICAL- LUBRICANTS	Lubricating oil	Water	ASTM D 6304
126	CHEMICAL- LUBRICANTS	Lubricating Oil	Water	ASTM D95-13
127	CHEMICAL- LUBRICANTS	Lubricating Oil	Zinc	ASTM D6595
128	CHEMICAL- PETROLEUM AND PRODUCTS	Diesel	Able Flash	IP 170
129	CHEMICAL- PETROLEUM AND PRODUCTS	Diesel	Ash Content	ASTM D482
130	CHEMICAL- PETROLEUM AND PRODUCTS	Diesel	Ash Content	IS 1448 (Part 4/sec1)
131	CHEMICAL- PETROLEUM AND PRODUCTS	Diesel	Cetane Index	ASTM D4737-10
132	CHEMICAL- PETROLEUM AND PRODUCTS	Diesel	Cold filter plugging point	ASTM D 6371
133	CHEMICAL- PETROLEUM AND PRODUCTS	Diesel	Copper Strip Corrosion	ASTM D130
134	CHEMICAL- PETROLEUM AND PRODUCTS	Diesel	Copper Strip Corrosion	IS 1448 (Part 15)
135	CHEMICAL- PETROLEUM AND PRODUCTS	Diesel	Density @ 15 deg C	IS 1448 (Part 16)
136	CHEMICAL- PETROLEUM AND PRODUCTS	Diesel	Density @15 deg C	ASTM D1298-12b

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137	CHEMICAL- PETROLEUM AND PRODUCTS	Diesel	Distillation - % Total Recovery	ASTM D86
138	CHEMICAL- PETROLEUM AND PRODUCTS	Diesel	Distillation - % Total Recovery	IS 1448 (Part 18)
139	CHEMICAL- PETROLEUM AND PRODUCTS	Diesel	Distillation - 10 % Recovery	ASTM D86
140	CHEMICAL- PETROLEUM AND PRODUCTS	Diesel	Distillation - 10 % Recovery	IS 1448 (Part 18)
141	CHEMICAL- PETROLEUM AND PRODUCTS	Diesel	Distillation - 50 % Recovery	ASTM D86
142	CHEMICAL- PETROLEUM AND PRODUCTS	Diesel	Distillation - 50 % Recovery	IS 1448 (Part 18)
143	CHEMICAL- PETROLEUM AND PRODUCTS	Diesel	Distillation - 90 % Recovery	ASTM D86
144	CHEMICAL- PETROLEUM AND PRODUCTS	Diesel	Distillation - 90 % Recovery	IS 1448 (Part 18)
145	CHEMICAL- PETROLEUM AND PRODUCTS	Diesel	Distillation - Final boiling Point	ASTM D86-20b
146	CHEMICAL- PETROLEUM AND PRODUCTS	Diesel	Distillation - Final Boiling Point	IS 1448 (Part 18)
147	CHEMICAL- PETROLEUM AND PRODUCTS	Diesel	Distillation - Initial Boiling Point	ASTM D86-20b
148	CHEMICAL- PETROLEUM AND PRODUCTS	Diesel	Distillation - Initial Boiling Point	IS 1448 (Part 18)
149	CHEMICAL- PETROLEUM AND PRODUCTS	Diesel	Flash Point: Pensky-Martens Close Cup	ASTM D93
150	CHEMICAL- PETROLEUM AND PRODUCTS	Diesel	Flash Point: Pensky-Martens Close Cup	IS 1448 (Part 21)
151	CHEMICAL- PETROLEUM AND PRODUCTS	Diesel	Pour Point	ASTM D97-17b
152	CHEMICAL- PETROLEUM AND PRODUCTS	Diesel	Pour Point	IS 1448 (Part 10: Sec 1)
153	CHEMICAL- PETROLEUM AND PRODUCTS	Diesel	Ramsbottom Carbon Residue	ASTM D524-15
154	CHEMICAL- PETROLEUM AND PRODUCTS	Diesel	Ramsbottom Carbon Residue	IS 1448 (Part 8)
155	CHEMICAL- PETROLEUM AND PRODUCTS	Diesel	Sulphated Ash	ASTM D874-13a

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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
156	CHEMICAL- PETROLEUM AND PRODUCTS	Diesel	Sulphated Ash	IS 1448 (Part 4:sec1)
157	CHEMICAL- PETROLEUM AND PRODUCTS	Diesel	Total Acid Number	ASTM D974
158	CHEMICAL- PETROLEUM AND PRODUCTS	Diesel	Total Sulphur	ASTM D4294
159	CHEMICAL- PETROLEUM AND PRODUCTS	Diesel	Viscosity @ 40 deg C	ASTM D445-21a
160	CHEMICAL- PETROLEUM AND PRODUCTS	Diesel	Viscosity @ 40 deg C	ASTM D7042-21a
161	CHEMICAL- PETROLEUM AND PRODUCTS	Diesel	Viscosity @ 40° C	IS 1448 (Part 25:sec1)
162	CHEMICAL- PETROLEUM AND PRODUCTS	Diesel	Water Content	IS 1448 (Part 40)
163	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel Oil	Flash Point: Pensky-Martens Close Cup	ASTM D93
164	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel oil	Aluminium	ASTM D6595
165	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel oil	Ash Content	ASTM D482
166	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel oil	Ash Content	IS 1448 (Part 4/Sec1)
167	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel Oil	Calcium	ASTM D6595
168	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel oil	Conrdason Carbon Residue	ASTM D189-06
169	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel Oil	Conrdason Carbon Residue	IS 1448 (Part 122)
170	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel Oil	Density	ASTM D1298-12b
171	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel Oil	Density	IS 1448 (Part 16)
172	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel Oil	Flash Point: Pensky-Martens Close Cup	IS 1448 (Part 21)
173	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel Oil	Iron	ASTM D6595
174	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel oil	Lead	ASTM D6595

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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
175	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel Oil	Magnesium	ASTM D6595
176	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel Oil	Nickel	ASTM D6595
177	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel Oil	Phosphorus	ASTM D6595
178	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel Oil	Potassium	ASTM D6595
179	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel Oil	Pour Point	ASTM D97-17b
180	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel Oil	Pour Point	IS 1448 (Part 10/sec 1)
181	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel Oil	Silicon	ASTM D6595
182	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel Oil	Sodium	ASTM D6595
183	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel Oil	Total Sulfur	ASTM D4294
184	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel Oil	Vanadium	ASTM D6595
185	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel Oil	Viscosity @ 100 deg C	ASTM D445-21e1
186	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel Oil	Viscosity @ 100 deg C	ASTM D7042-21a
187	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel Oil	Viscosity @ 100 deg C	IS 1448 (Part 25/sec 1)
188	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel Oil	Viscosity @ 50 deg C	ASTM D445-21e1
189	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel Oil	Viscosity @ 50 deg C	ASTM D7042:21a
190	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel Oil	Viscosity @ 50 deg C	IS 1448 (Part 25/sec1)
191	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel Oil	Zinc	ASTM D6595
192	CHEMICAL- RESIDUES IN WATER	Drinking Water	Iron	APHA 23rd Edition(3500 Fe)
193	CHEMICAL- RESIDUES IN WATER	Drinking water	Iron	IS 3025 (Part 53)

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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
194	CHEMICAL- RESIDUES IN WATER	Ground Water	Magnesium as mg	APHA 23rd Edition 3500-Mg-B
195	CHEMICAL- RESIDUES IN WATER	Ground Water	Magnesium as mg	IS:3025 (Part 46)
196	CHEMICAL- RESIDUES IN WATER	Water for Swimming Pool	Iron	IS 3025 (Part 53)
197	CHEMICAL- WATER	Drinking Water	Ammonia as NH3-N	APHA 23rd Edition(4500 NH3)
198	CHEMICAL- WATER	Drinking Water	Ammonia as NH3-N	IS 3025 (Part 34)
199	CHEMICAL- WATER	Drinking Water	Calcium as Ca	APHA 23rd Edition(3500Ca-B)
200	CHEMICAL- WATER	Drinking Water	Calcium as Ca	IS 3025 (Part 40)
201	CHEMICAL- WATER	Drinking Water	Chloride as (Cl)	IS 3025(Part32)
202	CHEMICAL- WATER	Drinking Water	Chlorides	IS 3025 (Part 32)
203	CHEMICAL- WATER	Drinking Water	Colour	APHA 23rd Edition(2120 B)
204	CHEMICAL- WATER	Drinking Water	Colour	IS 3025(Part 4)
205	CHEMICAL- WATER	Drinking Water	Electrical Conductivity	APHA23rd Edition(2510)
206	CHEMICAL- WATER	Drinking Water	Electrical Conductivity	IS 3025 (Part 14)
207	CHEMICAL- WATER	Drinking Water	Fluoride as F	IS 3025 (Part 60)
208	CHEMICAL- WATER	Drinking Water	Magnesium as Mg	APHA 23rd Edition (3500 Mg-B)
209	CHEMICAL- WATER	Drinking Water	Magnesium as mg	IS 3025 (Part 46)
210	CHEMICAL- WATER	Drinking Water	Nitrate	APHA 23rd Edition (4500 NO3)
211	CHEMICAL- WATER	Drinking Water	Nitrite	APHA 23rd Edition (4500 NO2)
212	CHEMICAL- WATER	Drinking Water	Nitrite	IS 3025 (Part 34)
213	CHEMICAL- WATER	Drinking Water	Odour	APHA23rd Edition(2150 B)
214	CHEMICAL- WATER	Drinking Water	Odour	IS 3025 (Part 5)
215	CHEMICAL- WATER	Drinking Water	pH	IS 3025 (Part 11)
216	CHEMICAL- WATER	Drinking Water	Silica as SiO2	APHA 23rd Edition (4500 SiO2-C)
217	CHEMICAL- WATER	Drinking Water	Silica as SiO2	IS 3025 (Part 35)
218	CHEMICAL- WATER	Drinking Water	Sulphate as So4	APHA 23rd Edition(4500- So4-E)
219	CHEMICAL- WATER	Drinking Water	Sulphate as So4	IS 3025 (Part 24)
220	CHEMICAL- WATER	Drinking Water	Total Alkalinity	IS 3025 (Part 23)

SCOPE OF ACCREDITATION

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221	CHEMICAL- WATER	Drinking Water	Total Dissolved Solids	IS 3025 (Part 16)
222	CHEMICAL- WATER	Drinking Water	Total Hardness as CaCo3	APHA 23rd Edition(2340-C)
223	CHEMICAL- WATER	Drinking Water	Total Hardness as CaCo3	IS 3025 (Part 21)
224	CHEMICAL- WATER	Drinking Water	Turbidity	APHA 23rd Edition(2130B)
225	CHEMICAL- WATER	Drinking Water	Turbidity	IS 3025 (Part 10)
226	CHEMICAL- WATER	Ground water	Ammonia (NH3-N)	IS 3025 (Part 34)
227	CHEMICAL- WATER	Ground Water	Calcium as Ca	APHA 23rd Edition 3500-Ca-B
228	CHEMICAL- WATER	Ground Water	Calcium as Ca	IS:3025 (Part 40)
229	CHEMICAL- WATER	Ground Water	Chloride as Cl	APHA 23rd Edition 4500 Cl B
230	CHEMICAL- WATER	Ground Water	Chloride as Cl	IS:3025 (Part 32)
231	CHEMICAL- WATER	Ground Water	Colour	IS 3025 (Part 4)
232	CHEMICAL- WATER	Ground Water	Electrical Conductivity	APHA 23rd Edition 2510-B
233	CHEMICAL- WATER	Ground Water	Electrical Conductivity	IS:3025 (Part 14)
234	CHEMICAL- WATER	Ground Water	Fluoride as F	IS 3025 (Part 60)
235	CHEMICAL- WATER	Ground Water	IRON	IS 3025 (Part 53)
236	CHEMICAL- WATER	Ground Water	Nitrate	APHA 23rd Edition4500NO3
237	CHEMICAL- WATER	Ground Water	Nitrite as NO2	IS 3025 (Part 34)
238	CHEMICAL- WATER	Ground Water	Odour	IS 3025 (Part 5)
239	CHEMICAL- WATER	Ground Water	pH	APHA 23rd Edition 4500 H-B
240	CHEMICAL- WATER	Ground Water	pH	IS 3025 (Part 11)
241	CHEMICAL- WATER	Ground Water	Silica	APHA 23rd Edition 4500SiO2 –C
242	CHEMICAL- WATER	Ground Water	Silica	IS:3025 (Part 35)
243	CHEMICAL- WATER	Ground Water	Sulphate as So4	APHA 23rd Edition 4500-SO4-B
244	CHEMICAL- WATER	Ground water	Sulphate as So4	IS:3025 (Part 24)
245	CHEMICAL- WATER	Ground Water	Total alkalinity as CaCo3	APHA 23rd Edition 2320-B
246	CHEMICAL- WATER	Ground Water	Total alkalinity as CaCo3	IS:3025 (Part 23)
247	CHEMICAL- WATER	Ground Water	Total dissolved Solids	IS 3025(Part 16)
248	CHEMICAL- WATER	Ground Water	Total Hardness as CaCO3	APHA 23rd Edition 2340-C
249	CHEMICAL- WATER	Ground Water	Total Hardness as CaCO3	IS:3025 (Part 21)
250	CHEMICAL- WATER	Ground Water	Turbidity	APHA 23rd Edition 2130-B

SCOPE OF ACCREDITATION

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251	CHEMICAL- WATER	Ground Water	Turbidity	IS 3025 (Part 10)
252	CHEMICAL- WATER	Packaged Drinking Water	Fluoride as F	IS 3025 (Part 60)
253	CHEMICAL- WATER	Packaged Drinking Water	Nitrate	APHA 23rd Edition4500NO3
254	CHEMICAL- WATER	Packaged Drinking Water	Nitrite	IS 3025 (Part 34)
255	CHEMICAL- WATER	Packaged Drinking Water	Sulphate as So4	APHA 23rd Edition 4500-SO4-B
256	CHEMICAL- WATER	Packaged Drinking Water	Calcium as Ca	APHA 23rd Edition 3500-Ca-B
257	CHEMICAL- WATER	Packaged Drinking Water	Calcium as Ca	IS:3025 (Part 40)
258	CHEMICAL- WATER	Packaged Drinking Water	Colour	APHA (23rd Edition) 2120 B
259	CHEMICAL- WATER	Packaged Drinking Water	Colour	IS 3025 (Part 4)
260	CHEMICAL- WATER	Packaged Drinking Water	Electrical Conductivity	APHA 23rd Edition 2510-B
261	CHEMICAL- WATER	Packaged Drinking Water	Electrical Conductivity	IS:3025 (Part 14)
262	CHEMICAL- WATER	Packaged Drinking Water	Magnesium as mg	APHA 23rd Edition 3500-Mg-B
263	CHEMICAL- WATER	Packaged Drinking Water	Magnesium as mg	IS:3025 (Part 46)
264	CHEMICAL- WATER	Packaged Drinking Water	Odour	IS 3025 (Part 5)
265	CHEMICAL- WATER	Packaged Drinking Water	Sulphate as So4	IS:3025 (Part 24)
266	CHEMICAL- WATER	Packaged Drinking Water	Total Hardness as CaCO3	APHA 23rd Edition 2340-C
267	CHEMICAL- WATER	Packaged Drinking Water	Total Hardness as CaCO3	IS:3025 (Part 21)
268	CHEMICAL- WATER	Packaged Drinking Water	Turbidity	APHA 23rd Edition 2130-B
269	CHEMICAL- WATER	Packaged Drinking Water	Turbidity	IS 3025 (Part 10)
270	CHEMICAL- WATER	Water for construction purpose	Chloride as cl	APHA 23rd edition (4500 Cl-B)
271	CHEMICAL- WATER	Water for construction purpose	Chloride as cl	IS 3025 (Part 32)
272	CHEMICAL- WATER	Water for construction purpose	Free Acidity	APHA 23rd Edition(2310-B)
273	CHEMICAL- WATER	Water for construction purpose	Free Acidity	IS 3025 (Part 22)
274	CHEMICAL- WATER	Water for construction purpose	Free Alkalinity	APHA 23rd Edition (2320-B)
275	CHEMICAL- WATER	Water for construction purpose	Free Alkalinity	IS 3025 (Part 23)
276	CHEMICAL- WATER	Water for construction purpose	Inorganic Residue	IS 3025 (Part 18)
277	CHEMICAL- WATER	Water for construction purpose	Organic Residue	APHA (23rd Edition)2540 E
278	CHEMICAL- WATER	Water for construction purpose	Organic Residue	IS 3025 (Part 18)
279	CHEMICAL- WATER	Water for construction purpose	pH	APHA 23rd Edition(4500 H)
280	CHEMICAL- WATER	Water for construction purpose	pH	IS 3025 (Part 11)

SCOPE OF ACCREDITATION

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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
281	CHEMICAL- WATER	Water for construction purpose	Sulphate as SO4	APHA 23rd Edition (4500 SO4 E)
282	CHEMICAL- WATER	Water for construction purpose	Sulphate as SO4	IS 3025 (Part 24)
283	CHEMICAL- WATER	Water for construction purpose	Total Dissolved Solids	APHA 23rd Edition (2540C)
284	CHEMICAL- WATER	Water for construction purpose	Total Dissolved Solids	IS 3025(Part 16)
285	CHEMICAL- WATER	Water for construction purpose	Total Suspended matter	APHA 23rd Edition(2540 E)
286	CHEMICAL- WATER	Water for construction purpose	Total Suspended Matter	IS 3025 (Part 17)
287	CHEMICAL- WATER	Water for Swimming Pool	Chloride (as Cl)	IS 3025 : Part 32
288	CHEMICAL- WATER	Water for Swimming Pool	Colour	IS 3025 (Part 4)
289	CHEMICAL- WATER	Water for Swimming Pool	Conductivity	APHA 23rd Edition 2510-B
290	CHEMICAL- WATER	Water for Swimming Pool	Conductivity	IS:3025 (Part 14)
291	CHEMICAL- WATER	Water for Swimming Pool	Odour	IS 3025 (Part 5)
292	CHEMICAL- WATER	Water for Swimming Pool	pH	IS 3025 (Part 11)
293	CHEMICAL- WATER	Water for Swimming Pool	Total Alkalinity as CaCo3	IS 3025 (Part 23)
294	CHEMICAL- WATER	Water for Swimming Pool	Total dissolved solids	IS 3025(Part 16)
295	CHEMICAL- WATER	Water for Swimming Pool	Turbidity	IS 3025 (Part 10)

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.