National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : CHEM-TECH LABORATORIES PRIVATE LIMITED, PLOT NO. 22, PARVATI INDUSTRIAL ESTATE, PUNE-SATARA ROAD, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 04/02/2023 to 03/02/2025 **Last Amended on** -

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- HAZARDOUS & RESTRICTED CHEMICALS	Automotive and Industrial Components, Electrical and Electronic Parts	benzylbutyl phthalate (BBP)	IEC 62321-8
2	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Automotive and Industrial Components, Electrical and Electronic Parts	Cadmium (Cd)	IEC 62321-5
3	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Automotive and Industrial Components, Electrical and Electronic Parts	Chromium (Cr)	IEC 62321-5
4	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Automotive and Industrial Components, Electrical and Electronic Parts	di-(2-ethylhexyl) phthalate (DEHP)	IEC 62321-8
5	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Automotive and Industrial Components, Electrical and Electronic Parts	di-isobutyl phthalate (DIBP)	IEC 62321-8
6	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Automotive and Industrial Components, Electrical and Electronic Parts	di-iso-decyl phthalate (DIDP)	IEC 62321-8
7	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Automotive and Industrial Components, Electrical and Electronic Parts	di-isononyl phthalate (DINP)	IEC 62321-8
8	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Automotive and Industrial Components, Electrical and Electronic Parts	di-n-butyl phthalate (DBP)	IEC 62321-8
9	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Automotive and Industrial Components, Electrical and Electronic Parts	di-n-octyl phthalate (DNOP),	IEC 62321-8
10	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Automotive and Industrial Components, Electrical and Electronic Parts	Lead (Pb)	IEC 62321-5
11	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Automotive and Industrial Components, Electrical and Electronic Parts	Polybrominated biphenyls (PBBs)	IEC 62321-6
12	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Automotive and Industrial Components, Electrical and Electronic Parts	polybrominated diphenyl ethers (PBDEs)	IEC 62321-6
13	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Automotive and Industrial parts, Electrical and Electronic Parts	Cadmium (Cd) by X-RF spectrometry(Screening)	IEC 62321-3-1

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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
14	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Automotive and Industrial parts, Electrical and Electronic Parts	Hexavalent Chromium Cr(VI)	IEC 62321-7-2
15	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Automotive and Industrial parts, Electrical and Electronic Parts	Lead(Pb) by X-RF spectrometry(Screening)	IEC 62321-3-1
16	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Automotive and Industrial parts, Electrical and Electronic Parts	Mercury(Hg) by X-RF spectrometry(Screening)	IEC 62321-3-1
17	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Automotive and Industrial parts, Electrical and Electronic Parts	Total bromine by X-RF spectrometry(Screening)	IEC 62321-3-1
18	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Automotive and Industrial parts, Electrical and Electronic Parts	Total chromium by X-RF spectrometry(Screening)	IEC 62321-3-1
19	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Electronic and electrical components	Total bromine by X-RF spectrometry(Screening)	IEC 62321-3-1
20	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Electronic and electrical components	benzylbutyl phthalate (BBP)	IEC 62321-8
21	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Electronic and electrical components	Cadmium	IEC 62321-5
22	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Electronic and electrical components	Cadmium (Cd) by X-RF spectrometry(Screening)	IEC 62321-3-1
23	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Electronic and electrical components	Chromium	IEC 62321-5
24	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Electronic and electrical components	di-(2-ethylhexyl) phthalate (DEHP)	IEC 62321-8
25	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Electronic and electrical components	di-isobutyl phthalate (DIBP)	IEC 62321-8
26	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Electronic and electrical components	di-iso-decyl phthalate (DIDP)	IEC 62321-8
27	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Electronic and electrical components	di-isononyl phthalate (DINP)	IEC 62321-8

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28	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Electronic and electrical components	di-n-butyl phthalate (DBP)	IEC 62321-8
29	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Electronic and electrical components	di-n-octyl phthalate (DNOP)	IEC 62321-8
30	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Electronic and electrical components	Hexavalent Chromium Cr(VI)	IEC 62321-7-2
31	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Electronic and electrical components	Lead	IEC 62321-5
32	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Electronic and electrical components	Lead by X-RF spectrometry(Screening)	IEC 62321-3-1
33	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Electronic and electrical components	Mercury (Hg) by X-RF spectrometry(Screening)	IEC 62321-3-1
34	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Electronic and electrical components	Polybrominated biphenyls (PBBs)	IEC 62321-6
35	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Electronic and electrical components	polybrominated diphenyl ethers (PBDEs)	IEC 62321-6
36	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Electronic and electrical components	Total chromium by X-RF spectrometry(Screening)	IEC 62321-3-1
37	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Metal, Polymer and Electronics	Hexavalent chromium, Cr(VI)	IEC 62321-7-1
38	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Metal, Polymer and Electronics	Mercury	IEC 62321-4
39	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Paints, Coatings, Pigments, Powders	benzylbutyl phthalate (BBP)	CTP-T-140
40	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Paints, Coatings, Pigments, Powders	Cadmium (Cd)	CTP-T-128
41	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Paints, Coatings, Pigments, Powders	Cadmium by X-RF spectrometry(Screening)	IEC 62321-3-1

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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
42	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Paints, Coatings, Pigments, Powders	di-(2-ethylhexyl) phthalate (DEHP),	CTP-T-140
43	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Paints, Coatings, Pigments, Powders	di-isobutyl phthalate (DIBP)	CTP-T-140
44	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Paints, Coatings, Pigments, Powders	di-iso-decyl phthalate (DIDP)	CTP-T-140
45	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Paints, Coatings, Pigments, Powders	di-isononyl phthalate (DINP)	CTP-T-140
46	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Paints, Coatings, Pigments, Powders	di-n-butyl phthalate (DBP)	CTP-T-140
47	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Paints, Coatings, Pigments, Powders	di-n-octyl phthalate (DNOP)	CTP-T-140
48	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Paints, Coatings, Pigments, Powders	Hexavalent Chromium Cr(VI)	CTP-T-128
49	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Paints, Coatings, Pigments, Powders	Lead (Pb)	CTP-T-128
50	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Paints, Coatings, Pigments, Powders	Lead by X-RF spectrometry(Screening)	IEC 62321-3-1
51	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Paints, Coatings, Pigments, Powders	Mercury (Hg)	CTP-T-128
52	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Paints, Coatings, Pigments, Powders	Mercury by X-RF spectrometry(Screening)	IEC 62321-3-1
53	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Paints, Coatings, Pigments, Powders	Polybrominated biphenyls (PBBs)	CTP-T-138
54	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Paints, Coatings, Pigments, Powders	polybrominated diphenyl ethers (PBDEs)	CTP-T-138
55	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Paints, Coatings, Pigments, Powders	Total bromine by X-RF spectrometry(Screening)	IEC 62321-3-1

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56	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Paints, Coatings, Pigments, Powders	Total chromium by X-RF spectrometry(Screening)	IEC 62321-3-1
57	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Plastic and polymeric parts	benzylbutyl phthalate (BBP)	IEC 62321-8
58	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Plastic and polymeric parts	Cadmium (Cd)	IEC 62321-5
59	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Plastic and polymeric parts	Cadmium by X-RF spectrometry(Screening)	IEC 62321-3-1
60	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Plastic and polymeric parts	Chromium (Cr)	IEC 62321-5
61	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Plastic and polymeric parts	di-(2-ethylhexyl) phthalate (DEHP),	IEC 62321-8
62	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Plastic and polymeric parts	di-isobutyl phthalate (DIBP),	IEC 62321-8
63	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Plastic and polymeric parts	di-iso-decyl phthalate (DIDP)	IEC 62321-8
64	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Plastic and polymeric parts	di-isononyl phthalate (DINP)	IEC 62321-8
65	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Plastic and polymeric parts	di-n-butyl phthalate (DBP)	IEC 62321-8
66	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Plastic and polymeric parts	di-n-octyl phthalate (DNOP)	IEC 62321-8
67	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Plastic and polymeric parts	Hexavalent Chromium Cr(VI)	IEC 62321-7-2
68	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Plastic and polymeric parts	Lead (Pb)	IEC 62321-5
69	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Plastic and polymeric parts	Lead by X-RF spectrometry(Screening)	IEC 62321-3-1

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70	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Plastic and polymeric parts	Mercury (Hg)	IEC 62321-5
71	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Plastic and polymeric parts	Mercury (Hg) by X-RF spectrometry(Screening)	IEC 62321-3-1
72	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Plastic and polymeric parts	Polybrominated biphenyls (PBBs)	IEC 62321-6
73	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Plastic and polymeric parts	polybrominated diphenyl ethers (PBDEs)	IEC 62321-6
74	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Plastic and polymeric parts	Total bromine by X-RF spectrometry(Screening)	IEC 62321-3-1
75	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Plastic and polymeric parts	Total chromium by X-RF spectrometry(Screening)	IEC 62321-3-1
76	CHEMICAL- LUBRICANTS	Additives	Aluminium (Al)	ASTM D 4951
77	CHEMICAL- LUBRICANTS	Additives	Antimony (Sb)	ASTM D 4951
78	CHEMICAL- LUBRICANTS	Additives	Barium (Ba)	ASTM D 4951
79	CHEMICAL- LUBRICANTS	Additives	Boron (B)	ASTM D 4951
80	CHEMICAL- LUBRICANTS	Additives	Calcium (Ca)	ASTM D 4951
81	CHEMICAL- LUBRICANTS	Additives	Chromium (Cr)	ASTM D 4951
82	CHEMICAL- LUBRICANTS	Additives	Copper (Cu)	ASTM D 4951
83	CHEMICAL- LUBRICANTS	Additives	Iron (Fe)	ASTM D 4951
84	CHEMICAL- LUBRICANTS	Additives	Lead (Pb)	ASTM D 4951
85	CHEMICAL- LUBRICANTS	Additives	Lithium (Li)	ASTM D 4951
86	CHEMICAL- LUBRICANTS	Additives	Magnesium (Mg)	ASTM D 4951
87	CHEMICAL- LUBRICANTS	Additives	Manganese (Mn)	ASTM D 4951
88	CHEMICAL- LUBRICANTS	Additives	Molybdenum (Mo)	ASTM D 4951
89	CHEMICAL- LUBRICANTS	Additives	Nickel (Ni)	ASTM D 4951
90	CHEMICAL- LUBRICANTS	Additives	Phosphorous (P)	ASTM D 4951
91	CHEMICAL- LUBRICANTS	Additives	Potassium (K)	ASTM D 4951
92	CHEMICAL- LUBRICANTS	Additives	Silicone (Si)	ASTM D 4951

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93	CHEMICAL- LUBRICANTS	Additives	Sodium (Na)	ASTM D 4951
94	CHEMICAL- LUBRICANTS	Additives	Sulphur (S)	ASTM D 4951
95	CHEMICAL- LUBRICANTS	Additives	Tin (Sn)	ASTM D 4951
96	CHEMICAL- LUBRICANTS	Additives	Titanium (Ti)	ASTM D 4951
97	CHEMICAL- LUBRICANTS	Additives	Vanadium (V)	ASTM D 4951
98	CHEMICAL- LUBRICANTS	Additives	Zinc (Zn)	ASTM D 4951
99	CHEMICAL- LUBRICANTS	Additives	Kinematic Viscosity @ 100 Deg C	ASTM D 445
100	CHEMICAL- LUBRICANTS	Additives	Kinematic Viscosity @ 100 Deg C	ASTM D 7042
101	CHEMICAL- LUBRICANTS	Additives	Kinematic Viscosity @ 100 Deg C	IS 1448 (P 25)
102	CHEMICAL- LUBRICANTS	Additives	Kinematic Viscosity @ 40 Deg C	ASTM D 445
103	CHEMICAL- LUBRICANTS	Additives	Kinematic Viscosity @ 40 Deg C	ASTM D 7042
104	CHEMICAL- LUBRICANTS	Additives	Kinematic Viscosity @ 40 Deg C	IS 1448 (P 25)
105	CHEMICAL- LUBRICANTS	Additives	Silver (Ag)	ASTM D 4951
106	CHEMICAL- LUBRICANTS	Additives	Sulphur Content	ASTM D 4294
107	CHEMICAL- LUBRICANTS	Additives	Total Base Number	ASTM D 2896
108	CHEMICAL- LUBRICANTS	Additives	Total Base Number	ASTM D 4739
109	CHEMICAL- LUBRICANTS	Additives	Total Base Number	IS 1448 (P 1 Sec 2)
110	CHEMICAL- LUBRICANTS	Additives	Total Base Number	IS 1448 (P 86)
111	CHEMICAL- LUBRICANTS	Additives	Viscosity Index	ASTM D 2270
112	CHEMICAL- LUBRICANTS	Additives	Viscosity Index	IS1448 (Part-56)
113	CHEMICAL- LUBRICANTS	Additives	Water Content – Coulometric	ASTM D 6304
114	CHEMICAL- LUBRICANTS	Coolant	Aluminium (Al)	ASTM D 6130
115	CHEMICAL- LUBRICANTS	Coolant	Boiling Point/ERBP	ASTM D 1120
116	CHEMICAL- LUBRICANTS	Coolant	Boron (B)	ASTM D 6130
117	CHEMICAL- LUBRICANTS	Coolant	Calcium (Ca)	ASTM D 6130
118	CHEMICAL- LUBRICANTS	Coolant	Copper (Cu)	ASTM D 6130
119	CHEMICAL- LUBRICANTS	Coolant	Density / Specific Gravity	ASTM D 1122

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120	CHEMICAL- LUBRICANTS	Coolant	Foaming	ASTM D 4921
121	CHEMICAL- LUBRICANTS	Coolant	Freezing Point by Refractometer	ASTM D 3321
122	CHEMICAL- LUBRICANTS	Coolant	Iron (Fe)	ASTM D 6130
123	CHEMICAL- LUBRICANTS	Coolant	Lead (Pb)	ASTM D 6130
124	CHEMICAL- LUBRICANTS	Coolant	Magnesium (Mg)	ASTM D 6130
125	CHEMICAL- LUBRICANTS	Coolant	Molybdenum (Mo)	ASTM D 6130
126	CHEMICAL- LUBRICANTS	Coolant	pH	ASTM D 1287
127	CHEMICAL- LUBRICANTS	Coolant	Phosphorous (P)	ASTM D 6130
128	CHEMICAL- LUBRICANTS	Coolant	Potassium (K)	ASTM D 6130
129	CHEMICAL- LUBRICANTS	Coolant	Reserve Alkalinity	ASTM D 1121
130	CHEMICAL- LUBRICANTS	Coolant	Silicone (Si)	ASTM D 6130
131	CHEMICAL- LUBRICANTS	Coolant	Sodium (Na)	ASTM D 6130
132	CHEMICAL- LUBRICANTS	Coolant	Tin (Sn)	ASTM D 6130
133	CHEMICAL- LUBRICANTS	Coolant	Zinc (Zn)	ASTM D 6130
134	CHEMICAL- LUBRICANTS	Coolant	Ash	ASTM D 1119
135	CHEMICAL- LUBRICANTS	Coolant	Boiling Point/ERBP	IS 5759 (Annex E)
136	CHEMICAL- LUBRICANTS	Coolant	Chloride Content	ASTM D 3634
137	CHEMICAL- LUBRICANTS	Coolant	Foaming	IS 5759 (Annex C)
138	CHEMICAL- LUBRICANTS	Coolant	pH	IS 5759 (Annex G)
139	CHEMICAL- LUBRICANTS	Coolant	Reserve Alkalinity	IS 5759 (Annex H)
140	CHEMICAL- LUBRICANTS	Coolant	Specific Gravity	IS 5759 (Annex D)
141	CHEMICAL- LUBRICANTS	Coolant	Water Content	ASTM D 1123
142	CHEMICAL- LUBRICANTS	Coolant	Water Content	IS 5759 (Annex F)
143	CHEMICAL- LUBRICANTS	Engine Oil	Fuel Dilution	ASTM D 7593
144	CHEMICAL- LUBRICANTS	Engine Oil	Soot Content	ASTM D 7686
145	CHEMICAL- LUBRICANTS	Grease	Aluminium (Al)	ASTM D 7303
146	CHEMICAL- LUBRICANTS	Grease	Antimony (Sb)	ASTM D 7303
147	CHEMICAL- LUBRICANTS	Grease	Barium (Ba)	ASTM D 7303
148	CHEMICAL- LUBRICANTS	Grease	Boron (B)	ASTM D 7303
149	CHEMICAL- LUBRICANTS	Grease	Calcium (Ca)	ASTM D 7303

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150	CHEMICAL- LUBRICANTS	Grease	Chromium (Cr)	ASTM D 7303
151	CHEMICAL- LUBRICANTS	Grease	Copper (Cu)	ASTM D 7303
152	CHEMICAL- LUBRICANTS	Grease	Iron (Fe)	ASTM D 7303
153	CHEMICAL- LUBRICANTS	Grease	Lead (Pb)	ASTM D 7303
154	CHEMICAL- LUBRICANTS	Grease	Lithium (Li)	ASTM D 7303
155	CHEMICAL- LUBRICANTS	Grease	Magnesium (Mg)	ASTM D 7303
156	CHEMICAL- LUBRICANTS	Grease	Manganese (Mn)	ASTM D 7303
157	CHEMICAL- LUBRICANTS	Grease	Molybdenum (Mo)	ASTM D 7303
158	CHEMICAL- LUBRICANTS	Grease	Nickel (Ni)	ASTM D 7303
159	CHEMICAL- LUBRICANTS	Grease	Phosphorous (P)	ASTM D 7303
160	CHEMICAL- LUBRICANTS	Grease	Potassium (K)	ASTM D 7303
161	CHEMICAL- LUBRICANTS	Grease	Silicone (Si)	ASTM D 7303
162	CHEMICAL- LUBRICANTS	Grease	Sodium (Na)	ASTM D 7303
163	CHEMICAL- LUBRICANTS	Grease	Sulphur (S)	ASTM D 7303
164	CHEMICAL- LUBRICANTS	Grease	Tin (Sn)	ASTM D 7303
165	CHEMICAL- LUBRICANTS	Grease	Titanium (Ti)	ASTM D 7303
166	CHEMICAL- LUBRICANTS	Grease	Vanadium (V)	ASTM D 7303
167	CHEMICAL- LUBRICANTS	Grease	Zinc (zn)	ASTM D 7303
168	CHEMICAL- LUBRICANTS	Grease	Acidity & Alkalinity	IP 37
169	CHEMICAL- LUBRICANTS	Grease	Acidity & Alkalinity	IS 1448 (Part 53)
170	CHEMICAL- LUBRICANTS	Grease	Cone Penetration(Worked and unworked)	IP 50
171	CHEMICAL- LUBRICANTS	Grease	Cone Penetration(Worked and unworked)	IS 1448 (P-60)
172	CHEMICAL- LUBRICANTS	Grease	Cone Penetration(Worked and unworked)	ASTM D 217
173	CHEMICAL- LUBRICANTS	Grease	Copper Corrsion	IP 112
174	CHEMICAL- LUBRICANTS	Grease	Copper Corrsion	ASTM D 4048
175	CHEMICAL- LUBRICANTS	Grease	Drop Point	ASTM D 566
176	CHEMICAL- LUBRICANTS	Grease	Drop Point	IP 132
177	CHEMICAL- LUBRICANTS	Grease	Drop Point	IS 1448 (P-52)
178	CHEMICAL- LUBRICANTS	Grease	Drop Point	ASTM D 2265

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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
179	CHEMICAL- LUBRICANTS	Grease	Extreme-Pressure Properties (Four Ball Test)	ASTM D 2596
180	CHEMICAL- LUBRICANTS	Grease	Oil Separation	IP 121
181	CHEMICAL- LUBRICANTS	Grease	Oil Separation	IS 1448 (P 89)
182	CHEMICAL- LUBRICANTS	Grease	Oil Separation	ASTM D 1742
183	CHEMICAL- LUBRICANTS	Grease	Oil Separation	ASTM D 6184
184	CHEMICAL- LUBRICANTS	Grease	Oxidation stability	ASTM D 942
185	CHEMICAL- LUBRICANTS	Grease	Silver (Ag)	ASTM D 7303
186	CHEMICAL- LUBRICANTS	Grease	Wear Preventive Characteristics	ASTM D 2266
187	CHEMICAL- LUBRICANTS	Lubricants	Foaming Tendency & Stability (Sequence I, II & III)	ASTM D 892
188	CHEMICAL- LUBRICANTS	Lubricants	Organic Chloride	ASTM D 4929
189	CHEMICAL- LUBRICANTS	Lubricants, Lubricating Oils, Additives, Transformer Oils, Metalworking Oils and Fluids	Aluminium (Al)	ASTM D 6595
190	CHEMICAL- LUBRICANTS	Lubricants, Lubricating Oils, Additives, Transformer Oils, Metalworking Oils and Fluids	Barium (Ba)	ASTM D 6595
191	CHEMICAL- LUBRICANTS	Lubricants, Lubricating Oils, Additives, Transformer Oils, Metalworking Oils and Fluids	Boron (B)	ASTM D 6595
192	CHEMICAL- LUBRICANTS	Lubricants, Lubricating Oils, Additives, Transformer Oils, Metalworking Oils and Fluids	Cadmium (Cd)	ASTM D 6595
193	CHEMICAL- LUBRICANTS	Lubricants, Lubricating Oils, Additives, Transformer Oils, Metalworking Oils and Fluids	Calcium (Ca)	ASTM D 6595
194	CHEMICAL- LUBRICANTS	Lubricants, Lubricating Oils, Additives, Transformer Oils, Metalworking Oils and Fluids	Chromium (Cr)	ASTM D 6595
195	CHEMICAL- LUBRICANTS	Lubricants, Lubricating Oils, Additives, Transformer Oils, Metalworking Oils and Fluids	Copper (Cu)	ASTM D 6595
196	CHEMICAL- LUBRICANTS	Lubricants, Lubricating Oils, Additives, Transformer Oils, Metalworking Oils and Fluids	Iron (Fe)	ASTM D 6595
197	CHEMICAL- LUBRICANTS	Lubricants, Lubricating Oils, Additives, Transformer Oils, Metalworking Oils and Fluids	Lead (Pb)	ASTM D 6595
198	CHEMICAL- LUBRICANTS	Lubricants, Lubricating Oils, Additives, Transformer Oils, Metalworking Oils and Fluids	Lithium (Li)	ASTM D 6595
199	CHEMICAL- LUBRICANTS	Lubricants, Lubricating Oils, Additives, Transformer Oils, Metalworking Oils and Fluids	Magnesium (Mg)	ASTM D 6595

SCOPE OF ACCREDITATION

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200	CHEMICAL- LUBRICANTS	Lubricants, Lubricating Oils, Additives, Transformer Oils, Metalworking Oils and Fluids	Manganese (Mn)	ASTM D 6595
201	CHEMICAL- LUBRICANTS	Lubricants, Lubricating Oils, Additives, Transformer Oils, Metalworking Oils and Fluids	Molybdenum (Mo)	ASTM D 6595
202	CHEMICAL- LUBRICANTS	Lubricants, Lubricating Oils, Additives, Transformer Oils, Metalworking Oils and Fluids	Nickel (Ni)	ASTM D 6595
203	CHEMICAL- LUBRICANTS	Lubricants, Lubricating Oils, Additives, Transformer Oils, Metalworking Oils and Fluids	Phosphorus (P)	ASTM D 6595
204	CHEMICAL- LUBRICANTS	Lubricants, Lubricating Oils, Additives, Transformer Oils, Metalworking Oils and Fluids	Potassium (K)	ASTM D 6595
205	CHEMICAL- LUBRICANTS	Lubricants, Lubricating Oils, Additives, Transformer Oils, Metalworking Oils and Fluids	Silicon (Si)	ASTM D 6595
206	CHEMICAL- LUBRICANTS	Lubricants, Lubricating Oils, Additives, Transformer Oils, Metalworking Oils and Fluids	Sodium (Na)	ASTM D 6595
207	CHEMICAL- LUBRICANTS	Lubricants, Lubricating Oils, Additives, Transformer Oils, Metalworking Oils and Fluids	Tin (Sn)	ASTM D 6595
208	CHEMICAL- LUBRICANTS	Lubricants, Lubricating Oils, Additives, Transformer Oils, Metalworking Oils and Fluids	Titanium (Ti)	ASTM D 6595
209	CHEMICAL- LUBRICANTS	Lubricants, Lubricating Oils, Additives, Transformer Oils, Metalworking Oils and Fluids	Tungsten (W)	ASTM D 6595
210	CHEMICAL- LUBRICANTS	Lubricants, Lubricating Oils, Additives, Transformer Oils, Metalworking Oils and Fluids	Vanadium (V)	ASTM D 6595
211	CHEMICAL- LUBRICANTS	Lubricants, Lubricating Oils, Additives, Transformer Oils, Metalworking Oils and Fluids	Zinc (Zn)	ASTM D 6595
212	CHEMICAL- LUBRICANTS	Lubricating Oil	Extreme-Pressure Properties (Four Ball Test)	ASTM D 2783
213	CHEMICAL- LUBRICANTS	Lubricating Oil	FTIR- Sulphation	ASTM E 2412
214	CHEMICAL- LUBRICANTS	Lubricating Oil	Aluminium (Al)	ASTM D 5185
215	CHEMICAL- LUBRICANTS	Lubricating Oil	Antimony (Sb)	ASTM D 5185
216	CHEMICAL- LUBRICANTS	Lubricating Oil	Barium (Ba)	ASTM D 5185
217	CHEMICAL- LUBRICANTS	Lubricating Oil	Boron (B)	ASTM D 5185
218	CHEMICAL- LUBRICANTS	Lubricating Oil	Cadmium (Cd)	CTP-T-128
219	CHEMICAL- LUBRICANTS	Lubricating Oil	Calcium (Ca)	ASTM D 5185
220	CHEMICAL- LUBRICANTS	Lubricating Oil	Chromium (Cr)	ASTM D 5185
221	CHEMICAL- LUBRICANTS	Lubricating Oil	Copper (Cu)	ASTM D 5185
222	CHEMICAL- LUBRICANTS	Lubricating Oil	Demulsibility	ASTM D 1401

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223	CHEMICAL- LUBRICANTS	Lubricating Oil	FTIR- Nitration	ASTM E 2412
224	CHEMICAL- LUBRICANTS	Lubricating Oil	FTIR- Oxidation	ASTM E 2412
225	CHEMICAL- LUBRICANTS	Lubricating Oil	Hexavalent Chromium Cr (VI)	CTP-T-128
226	CHEMICAL- LUBRICANTS	Lubricating Oil	Iron (Fe)	ASTM D 5185
227	CHEMICAL- LUBRICANTS	Lubricating Oil	Lead (Pb)	ASTM D 5185
228	CHEMICAL- LUBRICANTS	Lubricating Oil	Lead (Pb)	CTP-T-128
229	CHEMICAL- LUBRICANTS	Lubricating Oil	Lithium (Li)	ASTM D 5185
230	CHEMICAL- LUBRICANTS	Lubricating Oil	Magnesium (Mg)	ASTM D 5185
231	CHEMICAL- LUBRICANTS	Lubricating Oil	Manganese	ASTM D 5185
232	CHEMICAL- LUBRICANTS	Lubricating Oil	Mercury (Hg)	CTP-T-128
233	CHEMICAL- LUBRICANTS	Lubricating Oil	Molybdenum (Mo)	ASTM D 5185
234	CHEMICAL- LUBRICANTS	Lubricating Oil	Nickel (Ni)	ASTM D 5185
235	CHEMICAL- LUBRICANTS	Lubricating Oil	Particulate Contamination using an Optical Microscope	ISO 4407
236	CHEMICAL- LUBRICANTS	Lubricating Oil	Phosphorus (P)	ASTM D 5185
237	CHEMICAL- LUBRICANTS	Lubricating Oil	Potassium (K)	ASTM D 5185
238	CHEMICAL- LUBRICANTS	Lubricating Oil	Silicon (Si)	ASTM D 5185
239	CHEMICAL- LUBRICANTS	Lubricating Oil	Silver (Ag)	ASTM D 5185
240	CHEMICAL- LUBRICANTS	Lubricating Oil	Sodium (Na)	ASTM D 5185
241	CHEMICAL- LUBRICANTS	Lubricating Oil	Sulphur (S)	ASTM D 5185
242	CHEMICAL- LUBRICANTS	Lubricating Oil	Tin (Sn)	ASTM D 5185
243	CHEMICAL- LUBRICANTS	Lubricating Oil	Titanium (Ti)	ASTM D 5185
244	CHEMICAL- LUBRICANTS	Lubricating Oil	Total Base Number	ASTM D 2896
245	CHEMICAL- LUBRICANTS	Lubricating Oil	Total Base Number	ASTM D 4739
246	CHEMICAL- LUBRICANTS	Lubricating Oil	Total Base Number	IP-139
247	CHEMICAL- LUBRICANTS	Lubricating Oil	Total Base Number	IP-276
248	CHEMICAL- LUBRICANTS	Lubricating Oil	Total Base Number	IS 1448 (P 1 Sec 2)
249	CHEMICAL- LUBRICANTS	Lubricating Oil	Total Base Number	IS 1448 (P 86)
250	CHEMICAL- LUBRICANTS	Lubricating Oil	Total Base Number	ISO 3771
251	CHEMICAL- LUBRICANTS	Lubricating Oil	Vanadium (V)	ASTM D 5185

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252	CHEMICAL- LUBRICANTS	Lubricating Oil	Wear Preventive Characteristics	ASTM D 4172
253	CHEMICAL- LUBRICANTS	Lubricating Oil	Zinc (Zn)	ASTM D 5185
254	CHEMICAL- LUBRICANTS	Lubricating Oil and Grease	benzylbutyl phthalate (BBP)	CTP-T-140
255	CHEMICAL- LUBRICANTS	Lubricating Oil and Grease	di-(2-ethylhexyl) phthalate (DEHP)	CTP-T-140
256	CHEMICAL- LUBRICANTS	Lubricating Oil and Grease	di-isobutyl phthalate (DIBP)	CTP-T-140
257	CHEMICAL- LUBRICANTS	Lubricating Oil and Grease	di-iso-decyl phthalate (DIDP)	CTP-T-140
258	CHEMICAL- LUBRICANTS	Lubricating Oil and Grease	di-isononyl phthalate (DINP)	CTP-T-140
259	CHEMICAL- LUBRICANTS	Lubricating Oil and Grease	di-n-butyl phthalate (DBP)	CTP-T-140
260	CHEMICAL- LUBRICANTS	Lubricating Oil and Grease	di-n-octyl phthalate (DNOP)	CTP-T-140
261	CHEMICAL- LUBRICANTS	Lubricating Oil, Additive	Total Nitrogen	ASTM D 3228
262	CHEMICAL- LUBRICANTS	Lubricating Oils & Fluids, Metalworking Oils & Fluids, Heat Treatment Oils, Thermic Fluids	Copper Strip Corrosion rating	IP 154
263	CHEMICAL- LUBRICANTS	Lubricating Oils & Fluids, Metalworking Oils & Fluids, Heat Treatment Oils, Thermic Fluids	Copper Strip Corrosion rating	IS 1448 (P-15)
264	CHEMICAL- LUBRICANTS	Lubricating Oils & Fluids, Metalworking Oils & Fluids, Heat Treatment Oils, Thermic Fluids	Copper Strip Corrosion rating	ISO 2160
265	CHEMICAL- LUBRICANTS	Lubricating Oils & Fluids, Metalworking Oils & Fluids, Heat Treatment Oils, Thermic Fluids	Copper Strip Corrosion rating	ASTM D 130
266	CHEMICAL- LUBRICANTS	Lubricating Oils & Fluids, Metalworking Oils & Fluids, Heat Treatment Oils, Thermic Fluids, Grease	Water Content by Distillation	IP-74
267	CHEMICAL- LUBRICANTS	Lubricating Oils & Fluids, Metalworking Oils & Fluids, Heat Treatment Oils, Thermic Fluids, Grease	Water Content by Distillation	IS 1448 (P-40)
268	CHEMICAL- LUBRICANTS	Lubricating Oils & Fluids, Metalworking Oils & Fluids, Heat Treatment Oils, Thermic Fluids, Grease	Water Content by Distillation	ASTM D 95
269	CHEMICAL- LUBRICANTS	Lubricating Oils & Fluids, Metalworking Oils & Fluids, Heat Treatment Oils, Thermic Fluids.	Insolubles in Pentane, Coagulated Pentane, Toluene, Hexane, Heptane	ASTM D 893
270	CHEMICAL- LUBRICANTS	Lubricating Oils, Heat Treatment Oils, Thermic Fluids	Crackle Test	CTP-T-089
271	CHEMICAL- LUBRICANTS	Lubricating Oils, Hydraulic Oils, Turbine Oils	Particle Count and Distribution	ASTM D 7619
272	CHEMICAL- LUBRICANTS	Lubricating Oils, Hydraulic Oils, Turbine Oils	Particle Count and Distribution	ASTM D 6786
273	CHEMICAL- LUBRICANTS	Lubricating Oils, Hydraulic Oils, Turbine Oils	Particle Count and Distribution	ISO 4406
274	CHEMICAL- LUBRICANTS	Lubricating Oils, Hydraulic Oils, Turbine Oils	Particle Count and Distribution	SAE 4059
275	CHEMICAL- LUBRICANTS	Lubricating Oils, Hydraulic Oils, Turbine Oils	Particle Count and Distribution	NAS 1638

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276	CHEMICAL- LUBRICANTS	Lubricating Oils, Lubricating Fluids, Grease	Sulphated Ash	IP-163
277	CHEMICAL- LUBRICANTS	Lubricating Oils, Lubricating Fluids, Grease	Sulphated Ash	IS 1448 (P- 4, Sec 2)
278	CHEMICAL- LUBRICANTS	Lubricating Oils, Lubricating Fluids, Grease	Sulphated Ash	ISO 6245
279	CHEMICAL- LUBRICANTS	Lubricating Oils, Lubricating Fluids, Grease	Sulphated Ash	ASTM D 874
280	CHEMICAL- LUBRICANTS	Lubricating Oils, Metalworking Fluids	Sulphur Content	ASTM D 4294
281	CHEMICAL- LUBRICANTS	Lubricating Oils, Metalworking Oils & Fluids, Heat Treatment Oils	Flash and Fire Point (COC)	1448 (Part-69)
282	CHEMICAL- LUBRICANTS	Lubricating Oils, Metalworking Oils & Fluids, Heat Treatment Oils	Flash and Fire Point (COC)	IP-36
283	CHEMICAL- LUBRICANTS	Lubricating Oils, Metalworking Oils & Fluids, Heat Treatment Oils	Flash and Fire Point (COC)	ISO 2592
284	CHEMICAL- LUBRICANTS	Lubricating Oils, Metalworking Oils & Fluids, Heat Treatment Oils	Flash and Fire Point (COC)	ASTM D 92
285	CHEMICAL- LUBRICANTS	Lubricating Oils, Metalworking Oils & Fluids, Heat Treatment Oils	Flash Point (PMCC)	IP-35
286	CHEMICAL- LUBRICANTS	Lubricating Oils, Metalworking Oils & Fluids, Heat Treatment Oils	Flash Point (PMCC)	IS 1448 (P-21)
287	CHEMICAL- LUBRICANTS	Lubricating Oils, Metalworking Oils & Fluids, Heat Treatment Oils	Flash Point (PMCC)	ASTM D 93
288	CHEMICAL- LUBRICANTS	Lubricating Oils, Metalworking Oils & Fluids, Heat Treatment Oils, Grease	Ash Content	IP-04
289	CHEMICAL- LUBRICANTS	Lubricating Oils, Metalworking Oils & Fluids, Heat Treatment Oils, Grease	Ash Content	IS 1448 (P-4)
290	CHEMICAL- LUBRICANTS	Lubricating Oils, Metalworking Oils & Fluids, Heat Treatment Oils, Grease	Ash Content	ISO 6245
291	CHEMICAL- LUBRICANTS	Lubricating Oils, Metalworking Oils & Fluids, Heat Treatment Oils, Grease	Ash Content	ASTM D 482
292	CHEMICAL- LUBRICANTS	Lubricating Oils, Metalworking Oils & Fluids, Heat Treatment Oils, Thermic Fluids	Kinematic Viscosity @ 100 Deg C	IS 1448 (P 25)
293	CHEMICAL- LUBRICANTS	Lubricating Oils, Metalworking Oils & Fluids, Heat Treatment Oils, Thermic Fluids	Kinematic Viscosity @ 100 Deg C	ASTM D 7042
294	CHEMICAL- LUBRICANTS	Lubricating Oils, Metalworking Oils & Fluids, Heat Treatment Oils, Thermic Fluids	Kinematic Viscosity @ 100 Deg C	IP 71
295	CHEMICAL- LUBRICANTS	Lubricating Oils, Metalworking Oils & Fluids, Heat Treatment Oils, Thermic Fluids	Kinematic Viscosity @ 100 Deg C	ASTM D 445
296	CHEMICAL- LUBRICANTS	Lubricating Oils, Metalworking Oils, Thermic Fluids, Heat Treatment Oils & Fluids	Viscosity Index	IP 226

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297	CHEMICAL- LUBRICANTS	Lubricating Oils, Metalworking Oils, Thermic Fluids, Heat Treatment Oils & Fluids, Grease	PQ Index	ASTM D 8184
298	CHEMICAL- LUBRICANTS	Lubricating Oils, Metalworking Oils, Thermic Fluids, Heat Treatment Oils & Fluids.	Viscosity Index	IS1448 (Part-56)
299	CHEMICAL- LUBRICANTS	Lubricating Oils, Metalworking Oils, Thermic Fluids, Heat Treatment Oils & Fluids.	Viscosity Index	ISO 2909
300	CHEMICAL- LUBRICANTS	Lubricating Oils, Metalworking Oils, Thermic Fluids, Heat Treatment Oils & Fluids.	Viscosity Index	ASTM D 2270
301	CHEMICAL- LUBRICANTS	Lubricating Oils, Synthetic Oils	FTIR Analysis	ASTM E 1252
302	CHEMICAL- LUBRICANTS	Lubricating Oils, Transformer Oils, Metalworking Oils & Fluids, Heat Treatment Oils, Thermic Fluids	Density, relative density by hydrometer method	ASTM D 1298
303	CHEMICAL- LUBRICANTS	Lubricating Oils, Transformer Oils, Metalworking Oils & Fluids, Heat Treatment Oils, Thermic Fluids	Density, relative density by hydrometer method	IS 1448 (P–16)
304	CHEMICAL- LUBRICANTS	Lubricating Oils, Transformer Oils, Metalworking Oils & Fluids, Heat Treatment Oils, Thermic Fluids	Kinematic Viscosity @ 40 Deg C	ASTM D 445
305	CHEMICAL- LUBRICANTS	Lubricating Oils, Transformer Oils, Metalworking Oils & Fluids, Heat Treatment Oils, Thermic Fluids	Colour & Appearance	CTP-T-112
306	CHEMICAL- LUBRICANTS	Lubricating Oils, Transformer Oils, Metalworking Oils & Fluids, Heat Treatment Oils, Thermic Fluids	Density, relative density by auto densitometer	ASTM D 4052
307	CHEMICAL- LUBRICANTS	Lubricating Oils, Transformer Oils, Metalworking Oils & Fluids, Heat Treatment Oils, Thermic Fluids	Density, relative density by hydrometer method	IP 160
308	CHEMICAL- LUBRICANTS	Lubricating Oils, Transformer Oils, Metalworking Oils & Fluids, Heat Treatment Oils, Thermic Fluids	Density, relative density by Pyknometer	IP 189
309	CHEMICAL- LUBRICANTS	Lubricating Oils, Transformer Oils, Metalworking Oils & Fluids, Heat Treatment Oils, Thermic Fluids	Density, relative density by Pyknometer	IS 1448 (P-32)
310	CHEMICAL- LUBRICANTS	Lubricating Oils, Transformer Oils, Metalworking Oils & Fluids, Heat Treatment Oils, Thermic Fluids	Kinematic Viscosity @ 40 Deg C	ASTM D 7042
311	CHEMICAL- LUBRICANTS	Lubricating Oils, Transformer Oils, Metalworking Oils & Fluids, Heat Treatment Oils, Thermic Fluids	Kinematic Viscosity @ 40 Deg C	IP 71
312	CHEMICAL- LUBRICANTS	Lubricating Oils, Transformer Oils, Metalworking Oils & Fluids, Heat Treatment Oils, Thermic Fluids	Kinematic Viscosity @ 40 Deg C	IS 1448 (P 25)
313	CHEMICAL- LUBRICANTS	Lubricating Oils, Transformer Oils, Metalworking Oils & Fluids, Heat Treatment Oils, Thermic Fluids	Pour Point	IP 15
314	CHEMICAL- LUBRICANTS	Lubricating Oils, Transformer Oils, Metalworking Oils & Fluids, Heat Treatment Oils, Thermic Fluids	Pour Point	IS 1448 (P–10, Sec 2)
315	CHEMICAL- LUBRICANTS	Lubricating Oils, Transformer Oils, Metalworking Oils & Fluids, Heat Treatment Oils, Thermic Fluids	Pour Point	ISO 3016

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316	CHEMICAL- LUBRICANTS	Lubricating Oils, Transformer Oils, Metalworking Oils & Fluids, Heat Treatment Oils, Thermic Fluids	Pour Point	ASTM D 97
317	CHEMICAL- LUBRICANTS	Lubricating Oils, Transformer Oils, Metalworking Oils & Fluids, Heat Treatment Oils, Thermic Fluids	Sediments / Insoluble by Filtration	ASTM D 4055
318	CHEMICAL- LUBRICANTS	Lubricating Oils, Transformer Oils, Metalworking Oils & Fluids, Heat Treatment Oils, Thermic Fluids	Total Acid Number	ASTM D 664
319	CHEMICAL- LUBRICANTS	Lubricating Oils, Transformer Oils, Metalworking Oils & Fluids, Heat Treatment Oils, Thermic Fluids	Total Acid Number	ASTM D 974
320	CHEMICAL- LUBRICANTS	Lubricating Oils, Transformer Oils, Metalworking Oils & Fluids, Heat Treatment Oils, Thermic Fluids	Total Acid Number	IP 139
321	CHEMICAL- LUBRICANTS	Lubricating Oils, Transformer Oils, Metalworking Oils & Fluids, Heat Treatment Oils, Thermic Fluids	Total Acid Number	IP 177
322	CHEMICAL- LUBRICANTS	Lubricating Oils, Transformer Oils, Metalworking Oils & Fluids, Heat Treatment Oils, Thermic Fluids	Total Acid Number	IP 538
323	CHEMICAL- LUBRICANTS	Lubricating Oils, Transformer Oils, Metalworking Oils & Fluids, Heat Treatment Oils, Thermic Fluids	Total Acid Number	IS 1448 (P 2)
324	CHEMICAL- LUBRICANTS	Lubricating Oils, Transformer Oils, Metalworking Oils & Fluids, Heat Treatment Oils, Thermic Fluids	Total Acid Number	ISO 6619
325	CHEMICAL- LUBRICANTS	Lubricating Oils, Transformer Oils, Metalworking Oils & Fluids, Heat Treatment Oils, Thermic Fluids	Water Content – Coulometric	IP 539
326	CHEMICAL- LUBRICANTS	Lubricating Oils, Transformer Oils, Metalworking Oils & Fluids, Heat Treatment Oils, Thermic Fluids	Water Content – Coulometric	ISO 12937
327	CHEMICAL- LUBRICANTS	Lubricating Oils, Transformer Oils, Metalworking Oils & Fluids, Heat Treatment Oils, Thermic Fluids	Water Content – Coulometric	ASTM D 6304
328	CHEMICAL- LUBRICANTS	Lubricating Oils, Transformer Oils, Metalworking Oils & Fluids, Heat Treatment Oils, Thermic Fluids,	Initial pH i-pH	ASTM D 7946
329	CHEMICAL- LUBRICANTS	Lubricating Oils, Transformer Oils, Metalworking Oils & Fluids, Heat Treatment Oils, Thermic Fluids, Grease	Water Content	ASTM E 203
330	CHEMICAL- LUBRICANTS	Lubricating Oils, Transformer Oils, Metalworking Oils & Fluids, Heat Treatment Oils, Thermic Fluids, Grease	Water Content	ASTM D 1744
331	CHEMICAL- LUBRICANTS	Lubricating Oils, Transformer Oils, Metalworking Oils & Fluids, Heat Treatment Oils, Thermic Fluids, Grease	Water Content – Potentiometric	ISO 10336
332	CHEMICAL- LUBRICANTS	Lubricating Oils, Transformer Oils, Metalworking Oils & Fluids, Heat Treatment Oils, Thermic Fluids, Greases	Water Content	IP 439
333	CHEMICAL- LUBRICANTS	Lubricating Oils, Transformer Oils, Metalworking Oils & Fluids, Heat Treatment Oils.	Saponification Value	IS 1448 (P-55 Sec 1)
334	CHEMICAL- LUBRICANTS	Lubricating Oils, Transformer Oils, Metalworking Oils & Fluids, Heat Treatment Oils.	Saponification Value	ASTM D 94

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335	CHEMICAL- LUBRICANTS	Lubricating Oils, Transformer Oils, Metalworking Oils & Fluids, Heat Treatment Oils.	Saponification Value	IP 136
336	CHEMICAL- LUBRICANTS	Lubricating Oils, Transformer Oils, Metalworking Oils & Fluids, Thermic Fluids, Heat Treatment Oils.	Colour	ASTM D 1500
337	CHEMICAL- LUBRICANTS	Lubricating Oils, Transformer Oils, Metalworking Oils & Fluids, Thermic Fluids, Heat Treatment Oils.	Colour	IP 196
338	CHEMICAL- LUBRICANTS	Lubricating Oils, Transformer Oils, Metalworking Oils & Fluids, Thermic Fluids, Heat Treatment Oils.	Colour	IS 1448 (P-12)
339	CHEMICAL- LUBRICANTS	Oils and Grease	Polybrominated biphenyls (PBBs)	CTP-T-138
340	CHEMICAL- LUBRICANTS	Oils and Greases	Phthalate Analysis (DIBP, DBP, BBP, DEHP, DNOP, DINP and DIDP)	CTP-T-140
341	CHEMICAL- LUBRICANTS	Oils and greases	polybrominated diphenyl ethers (PBDEs)	CTP-T-138
342	CHEMICAL- LUBRICANTS	Thermic Fluids, Heat Treatment Oils	Conradson Carbon Residue (CCR)	ASTM D 189
343	CHEMICAL- LUBRICANTS	Thermic Fluids, Heat Treatment Oils	Conradson Carbon Residue (CCR)	IS 1448 (P 122)
344	CHEMICAL- LUBRICANTS	Thermic Fluids, Heat Treatment Oils	Conradson Carbon Residue (CCR)	ISO 6615
345	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel	Sulphated Ash	IP 163
346	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel	Sulphated Ash	ISO 6245
347	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel	Sulphated Ash	ASTM D 874
348	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel	Sulphated Ash	IS 1448 (P-4, Sec 2)
349	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel, Diesel	Aluminium (Al)	ASTM D 7111
350	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel, Diesel	Barium (Ba)	ASTM D 7111
351	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel, Diesel	Calcium (Ca)	ASTM D 7111
352	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel, Diesel	Chromium (Cr)	ASTM D 7111

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353	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel, Diesel	Cobalt (Co)	ASTM D 7111
354	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel, Diesel	Copper (Cu)	ASTM D 7111
355	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel, Diesel	Iron (Fe)	ASTM D 7111
356	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel, Diesel	Lead (Pb)	ASTM D 7111
357	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel, Diesel	Lithium (Li)	ASTM D 7111
358	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel, Diesel	Magnesium (Mg)	ASTM D 7111
359	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel, Diesel	Manganese (Mn)	ASTM D 7111
360	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel, Diesel	Molybdenum (Mo)	ASTM D 7111
361	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel, Diesel	Nickel (Ni)	ASTM D 7111
362	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel, Diesel	Palladium (Pd)	ASTM D 7111
363	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel, Diesel	Potassium (K)	ASTM D 7111
364	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel, Diesel	Silicone (Si)	ASTM D 7111
365	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel, Diesel	Sodium (Na)	ASTM D 7111
366	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel, Diesel	Strontium (Sr)	ASTM D 7111
367	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel, Diesel	Titanium (Ti)	ASTM D 7111
368	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel, Diesel	Vanadium (V)	ASTM D 7111
369	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel, Diesel	Zinc (Zn)	ASTM D 7111
370	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel, Diesel	Fatty Acid Methyl Ester (FAME)	EN 14103
371	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel, Diesel	Fatty Acid Methyl Ester (FAME)	EN 14078

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372	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel, Diesel	Silver (Ag)	ASTM D 7111
373	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel, Diesel, Marine Fuel	Glyceride content	ASTM D 6584
374	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel, Marine Fuel, Diesel, LDO	Copper Strip Corrosion rating	IP 154
375	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel, Marine Fuel, Diesel, LDO	Copper Strip Corrosion rating	IS 1448 (P 15)
376	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel, Marine Fuel, Diesel, LDO	Copper Strip Corrosion rating	ISO 2160
377	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel, Marine Fuel, Diesel, LDO	Copper Strip Corrosion rating	ASTM D 130
378	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel, Marine Fuel, Furnace Oil, LSHS	Kinematic Viscosity @ 100 Deg C	ASTM D 7042
379	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel, Marine Fuel, Furnace Oil, LSHS	Kinematic Viscosity @ 100 Deg C	IP 71
380	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel, Marine Fuel, Furnace Oil, LSHS	Kinematic Viscosity @ 100 Deg C	IS 1448 (P 25)
381	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel, Marine Fuel, Furnace Oil, LSHS	Kinematic Viscosity @ 100 Deg C	ASTM D 445
382	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel, Marine Fuel, Furnace Oil, LSHS, Diesel, Kerosene	Ash Content	ASTM D 482
383	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel, Marine Fuel, Furnace Oil, LSHS, Diesel, Kerosene	Ash Content	IS 1448 (P 04)
384	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel, Marine Fuel, Furnace Oil, LSHS, Diesel, Kerosene	Ash Content	IS 1448 (P-4)
385	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel, Marine Fuel, Furnace Oil, LSHS, Diesel, Kerosene	Ash Content	ISO 6245
386	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel, Marine Fuel, Furnace Oil, LSHS, Diesel, Kerosene, LDO	Flash Point (PMCC)	IP 35
387	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel, Marine Fuel, Furnace Oil, LSHS, Diesel, Kerosene, LDO	Flash Point (PMCC)	ASTM D 93
388	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel, Marine Fuel, Furnace Oil, LSHS, Diesel, Kerosene, LDO	Flash Point (PMCC)	IS 1448 (P 21)
389	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel, Marine Fuel, Furnace Oil, LSHS, Diesel, Kerosene, LDO	Flash Point (PMCC)	ISO 2719
390	CHEMICAL- PETROLEUM AND PRODUCTS	Biodiesel, Marine Fuel, Furnace Oil, LSHS, Diesel, Kerosene, LDO	Sediment by Extraction	IS 1448 (P-30)

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391	CHEMICAL- PETROLEUM AND PRODUCTS	DEF, Adblue, AUS 32	Aldehyde	ISO 22241-2 annex F
392	CHEMICAL- PETROLEUM AND PRODUCTS	DEF, Adblue, AUS 32	Alkalinity	ISO 22241-2 annex D
393	CHEMICAL- PETROLEUM AND PRODUCTS	DEF, Adblue, AUS 32	Biuret Content	ISO 22241-2 annex E
394	CHEMICAL- PETROLEUM AND PRODUCTS	DEF, Adblue, AUS 32	Identity by FTIR	ISO 22241-2 annex J
395	CHEMICAL- PETROLEUM AND PRODUCTS	DEF, Adblue, AUS 32	Refractive Index	ISO 22241-2 annex C
396	CHEMICAL- PETROLEUM AND PRODUCTS	DEF, Adblue, AUS 32	Trace elements (Al, Ca, Cr, Cu, Fe, K, Mg, Na, Ni, Zn)	ISO 22241-2 annex I
397	CHEMICAL- PETROLEUM AND PRODUCTS	DEF, Adblue, AUS 32	Urea by Refractive index Calculation	ISO 22241-2 annex C
398	CHEMICAL- PETROLEUM AND PRODUCTS	DEF, Adblue, AUS 32	Insoluble Matter	ISO 22241-2 annex G
399	CHEMICAL- PETROLEUM AND PRODUCTS	DEF, Adblue, AUS 32	Phosphate	ISO 22241-2 annex I
400	CHEMICAL- PETROLEUM AND PRODUCTS	DEF, Adblue, AUS 32	Phosphate	ISO 22241-2 annex H
401	CHEMICAL- PETROLEUM AND PRODUCTS	DEF, Adblue, AUS 40	Chromium (Cr)	ISO 18611-2 Annex. I
402	CHEMICAL- PETROLEUM AND PRODUCTS	DEF, Adblue, AUS 40	Copper (Cu)	ISO 18611-2 Annex. I
403	CHEMICAL- PETROLEUM AND PRODUCTS	DEF, Adblue, AUS 40	Iron (Fe)	ISO 18611-2 Annex. I
404	CHEMICAL- PETROLEUM AND PRODUCTS	DEF, Adblue, AUS 40	Magnesium (Mg)	ISO 18611-2 Annex. I
405	CHEMICAL- PETROLEUM AND PRODUCTS	DEF, Adblue, AUS 40	Nickel (Ni)	ISO 18611-2 Annex. I
406	CHEMICAL- PETROLEUM AND PRODUCTS	DEF, Adblue, AUS 40	Potassium (K)	ISO 18611-2 Annex. I
407	CHEMICAL- PETROLEUM AND PRODUCTS	DEF, Adblue, AUS 40	Sodium (Na)	ISO 18611-2 Annex. I
408	CHEMICAL- PETROLEUM AND PRODUCTS	DEF, Adblue, AUS 40	Zinc (Zn)	ISO 18611-2 Annex. I
409	CHEMICAL- PETROLEUM AND PRODUCTS	DEF, Adblue, AUS 40	Calcium (Ca)	ISO 18611-2 Annex. I

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410	CHEMICAL- PETROLEUM AND PRODUCTS	DEF, Adblue, AUS 40	Aldehyde	ISO 18611-2 Annex. F
411	CHEMICAL- PETROLEUM AND PRODUCTS	DEF, Adblue, AUS 40	Alkalinity	ISO 18611-2 Annex. D
412	CHEMICAL- PETROLEUM AND PRODUCTS	DEF, Adblue, AUS 40	Aluminium (Al)	ISO 18611-2 Annex. I
413	CHEMICAL- PETROLEUM AND PRODUCTS	DEF, Adblue, AUS 40	Biuret Content	ISO 18611-2 Annex. E
414	CHEMICAL- PETROLEUM AND PRODUCTS	DEF, Adblue, AUS 40	Insoluble Matter	ISO 18611-2 Annex. G
415	CHEMICAL- PETROLEUM AND PRODUCTS	DEF, Adblue, AUS 40	Phosphate	ISO 18611-2 Annex. X
416	CHEMICAL- PETROLEUM AND PRODUCTS	DEF, Adblue, AUS 40	Refractive Index	ISO 18611-2 Annex. C
417	CHEMICAL- PETROLEUM AND PRODUCTS	DEF, Adblue, AUS 40	Urea by Refractive index Calculation	ISO 18611-2 Annex. C
418	CHEMICAL- PETROLEUM AND PRODUCTS	Diesel, Biodiesel	Total Contamination	EN 12662
419	CHEMICAL- PETROLEUM AND PRODUCTS	Diesel, Biodiesel	Total Sulfur	ASTM D 5453
420	CHEMICAL- PETROLEUM AND PRODUCTS	Diesel, Biodiesel	Water and Sediment By Centrifuge	ASTM D 2709
421	CHEMICAL- PETROLEUM AND PRODUCTS	Diesel, Biodiesel, Kerosene, Marine Fuel	Organic Chloride	ASTM D 4929
422	CHEMICAL- PETROLEUM AND PRODUCTS	Diesel, Biodiesel, Marine Fuel	Total Acidity/Acid Number	ASTM D 974
423	CHEMICAL- PETROLEUM AND PRODUCTS	Diesel, Biodiesel, Marine Fuel	Total Acidity/Acid Number	ASTM D 664
424	CHEMICAL- PETROLEUM AND PRODUCTS	Diesel, Biodiesel, Marine Fuel	Cloud Point	IP 219
425	CHEMICAL- PETROLEUM AND PRODUCTS	Diesel, Biodiesel, Marine Fuel	Cloud Point	IS 1448, (P-10, Sec 1)
426	CHEMICAL- PETROLEUM AND PRODUCTS	Diesel, Biodiesel, Marine Fuel	Cloud Point	ISO 3015
427	CHEMICAL- PETROLEUM AND PRODUCTS	Diesel, Biodiesel, Marine Fuel	Cloud Point	ASTM D 2500
428	CHEMICAL- PETROLEUM AND PRODUCTS	Diesel, Biodiesel, Marine Fuel	Total Acidity/Acid Number	IP 139

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429	CHEMICAL- PETROLEUM AND PRODUCTS	Diesel, Biodiesel, Marine Fuel	Total Acidity/Acid Number	IP 177
430	CHEMICAL- PETROLEUM AND PRODUCTS	Diesel, Biodiesel, Marine Fuel	Total Acidity/Acid Number	IS 1448 (P-2)
431	CHEMICAL- PETROLEUM AND PRODUCTS	Diesel, Biodiesel, Marine Fuel	Total Acidity/Acid Number	ISO 6619
432	CHEMICAL- PETROLEUM AND PRODUCTS	Diesel, Biodiesel, Marine Fuel, Furnace Oil, LSHS	Water Content by Distillation	IP 74
433	CHEMICAL- PETROLEUM AND PRODUCTS	Diesel, Biodiesel, Marine Fuel, Furnace Oil, LSHS	Water Content by Distillation	ISO 3733
434	CHEMICAL- PETROLEUM AND PRODUCTS	Diesel, Biodiesel, Marine Fuel, Furnace Oil, LSHS, LDO	Water Content by Distillation	IS 1448 (P-40)
435	CHEMICAL- PETROLEUM AND PRODUCTS	Diesel, Biodiesel, Marine Fuel, Furnace Oil, LSHS, LDO	Water Content by Distillation	ASTM D 95
436	CHEMICAL- PETROLEUM AND PRODUCTS	Diesel, Biodiesel, Marine Fuels	Cold Filter Plugging Point (CFPP)	IS 1448 (P 110)
437	CHEMICAL- PETROLEUM AND PRODUCTS	Diesel, Biodiesel, Marine Fuels	Cold Filter Plugging Point (CFPP)	ASTM D 6371
438	CHEMICAL- PETROLEUM AND PRODUCTS	Diesel, Biodiesel, Marine Fuels	Cold Filter Plugging Point (CFPP)	IP 309
439	CHEMICAL- PETROLEUM AND PRODUCTS	Diesel, Gasoline, Solvents, Marine Fuel	Organic Chloride	ASTM D 4929
440	CHEMICAL- PETROLEUM AND PRODUCTS	Diesel, Kerosene, LDO, Biodiesel, Marine Fuel	Kinematic Viscosity @ 40 Deg C	ASTM D 7042
441	CHEMICAL- PETROLEUM AND PRODUCTS	Diesel, Kerosene, LDO, Biodiesel, Marine Fuel	Kinematic Viscosity @ 40 Deg C	IP 71
442	CHEMICAL- PETROLEUM AND PRODUCTS	Diesel, Kerosene, LDO, Biodiesel, Marine Fuel	Kinematic Viscosity @ 40 Deg C	IS 1448 (P 25)
443	CHEMICAL- PETROLEUM AND PRODUCTS	Diesel, Kerosene, LDO, Biodiesel, Marine Fuel	Kinematic Viscosity @ 40 Deg C	ISO 3104
444	CHEMICAL- PETROLEUM AND PRODUCTS	Diesel, Kerosene, LDO, Biodiesel, Marine Fuel	Kinematic Viscosity @ 40 Deg C	ASTM D 445
445	CHEMICAL- PETROLEUM AND PRODUCTS	Diesel, LDO	Inorganic Acidity	ASTM D 974
446	CHEMICAL- PETROLEUM AND PRODUCTS	Diesel, LDO	Inorganic Acidity	IP 182
447	CHEMICAL- PETROLEUM AND PRODUCTS	Diesel, LDO, Biodiesel	Rams Bottom Carbon Residue (RBCR)	IP 14

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448	CHEMICAL- PETROLEUM AND PRODUCTS	Diesel, LDO, Biodiesel	Rams Bottom Carbon Residue (RBCR)	IS 1448 (P 8)
449	CHEMICAL- PETROLEUM AND PRODUCTS	Diesel, LDO, Biodiesel	Rams Bottom Carbon Residue (RBCR)	ISO 4262
450	CHEMICAL- PETROLEUM AND PRODUCTS	Diesel, LDO, Biodiesel	Rams Bottom Carbon Residue (RBCR)	ASTM D 524
451	CHEMICAL- PETROLEUM AND PRODUCTS	Diesel, LDO, Biodiesel, Furnace Oil, LSHS, Marine Fuels	Sulphur Content	ASTM D 4294
452	CHEMICAL- PETROLEUM AND PRODUCTS	Diesel, LDO, Biodiesel, Furnace Oil, LSHS, Marine Fuels	Sulphur Content	ISO 8754
453	CHEMICAL- PETROLEUM AND PRODUCTS	Diesel, LDO, Biodiesel, Marine Fuel	Density, relative density by Pyknometer	IP 189
454	CHEMICAL- PETROLEUM AND PRODUCTS	Diesel, LDO, Biodiesel, Marine Fuel	Colour & Appearance	CTP-T-112
455	CHEMICAL- PETROLEUM AND PRODUCTS	Diesel, LDO, Biodiesel, Marine Fuel	Density, relative density by auto densitometer	ASTM D 4052
456	CHEMICAL- PETROLEUM AND PRODUCTS	Diesel, LDO, Biodiesel, Marine Fuel	Density, relative density by hydrometer method	IP 160
457	CHEMICAL- PETROLEUM AND PRODUCTS	Diesel, LDO, Biodiesel, Marine Fuel	Density, relative density by hydrometer method	IS 1448 (P-16)
458	CHEMICAL- PETROLEUM AND PRODUCTS	Diesel, LDO, Biodiesel, Marine Fuel	Density, relative density by hydrometer method	ISO 3675
459	CHEMICAL- PETROLEUM AND PRODUCTS	Diesel, LDO, Biodiesel, Marine Fuel	Density, relative density by hydrometer method	ASTM D 1298
460	CHEMICAL- PETROLEUM AND PRODUCTS	Diesel, LDO, Biodiesel, Marine Fuel	Density, relative density by Pyknometer	IS 1448 (P-32)
461	CHEMICAL- PETROLEUM AND PRODUCTS	Diesel, LDO, Biodiesel, Marine Fuel	Pour Point	IP 15
462	CHEMICAL- PETROLEUM AND PRODUCTS	Diesel, LDO, Biodiesel, Marine Fuel	Pour Point	IS 1448 (P–10, Sec 2)
463	CHEMICAL- PETROLEUM AND PRODUCTS	Diesel, LDO, Biodiesel, Marine Fuel	Pour Point	ISO 3016
464	CHEMICAL- PETROLEUM AND PRODUCTS	Diesel, LDO, Biodiesel, Marine Fuel	Pour Point	ASTM D 97
465	CHEMICAL- PETROLEUM AND PRODUCTS	Diesel, LDO, Biodiesel, Marine Fuel	Water Content – Coulometric	IP 539
466	CHEMICAL- PETROLEUM AND PRODUCTS	Diesel, LDO, Biodiesel, Marine Fuel	Water Content – Coulometric	ISO 12937

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467	CHEMICAL- PETROLEUM AND PRODUCTS	Diesel, LDO, Biodiesel, Marine Fuel	Water Content – Coulometric	ASTM D 6304
468	CHEMICAL- PETROLEUM AND PRODUCTS	Diesel, LDO, FO	Inorganic Acidity	IP 139
469	CHEMICAL- PETROLEUM AND PRODUCTS	Diesel, LDO, FO	Inorganic Acidity	IS 1448 (P 2)
470	CHEMICAL- PETROLEUM AND PRODUCTS	Diesel, LDO, FO	Inorganic Acidity	ISO 6618
471	CHEMICAL- PETROLEUM AND PRODUCTS	Diesel, LDO, Furnace Oil	Sediment by extraction	ASTM D 473
472	CHEMICAL- PETROLEUM AND PRODUCTS	Diesel, LDO, Furnace Oil	Sediment by extraction	IP 53
473	CHEMICAL- PETROLEUM AND PRODUCTS	Diesel, LDO, Furnace Oil, Biodiesel	Sediment by extraction	ISO 3735
474	CHEMICAL- PETROLEUM AND PRODUCTS	Diesel, Marine Fuel	Particle Count and Distribution	ISO 4406
475	CHEMICAL- PETROLEUM AND PRODUCTS	Diesel, Marine Fuel	Particle Count and Distribution	NAS 1638
476	CHEMICAL- PETROLEUM AND PRODUCTS	Diesel, Marine Fuel	Particle Count and Distribution	ASTM D 6786
477	CHEMICAL- PETROLEUM AND PRODUCTS	Diesel, Marine Fuel	Particle Count and Distribution	ASTM D 7619
478	CHEMICAL- PETROLEUM AND PRODUCTS	Diesel, Marine Fuels	Cetane Index	ASTM D 4737
479	CHEMICAL- PETROLEUM AND PRODUCTS	Diesel, Marine Fuels	Cetane Index	ISO 4264
480	CHEMICAL- PETROLEUM AND PRODUCTS	Fuel Oil	Total Nitrogen	ASTM D 3228
481	CHEMICAL- PETROLEUM AND PRODUCTS	Fuels & Residual Fuels	Nickel (Ni)	IP 501
482	CHEMICAL- PETROLEUM AND PRODUCTS	Fuels & Residual Fuels	Phosphorus (P)	IP 501
483	CHEMICAL- PETROLEUM AND PRODUCTS	Fuels & Residual Fuels	Silicone (Si)	IP 501
484	CHEMICAL- PETROLEUM AND PRODUCTS	Fuels & Residual Fuels	Sodium (Na)	IP 501
485	CHEMICAL- PETROLEUM AND PRODUCTS	Fuels & Residual Fuels	Vanadium (V)	IP 501

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486	CHEMICAL- PETROLEUM AND PRODUCTS	Fuels & Residual Fuels	Zinc (Zn)	IP 501
487	CHEMICAL- PETROLEUM AND PRODUCTS	Fuels & Residual Fuels	Iron (Fe)	IP 501
488	CHEMICAL- PETROLEUM AND PRODUCTS	Fuels & Residual Fuels	Aluminium (Al)	IP 501
489	CHEMICAL- PETROLEUM AND PRODUCTS	Fuels & Residual Fuels	Calcium (Ca)	IP 501
490	CHEMICAL- PETROLEUM AND PRODUCTS	Furnace Oil, Diesel, LDO, LSHS, Marine Fuel	Heat of combustion of liquid hydrocarbon fuel by Calculation	IS 1448 (P - 7)
491	CHEMICAL- PETROLEUM AND PRODUCTS	Furnace Oil, Diesel, LDO, LSHS, Marine Fuel	Heat of combustion of liquid hydrocarbon fuel by Calculation	ASTM D 4868
492	CHEMICAL- PETROLEUM AND PRODUCTS	Furnace Oil, Marine Fuel, Diesel LDO, LSHS	Heat of combustion of liquid hydrocarbon fuel by Bomb calorimeter Method	IS 1448 (P - 6)
493	CHEMICAL- PETROLEUM AND PRODUCTS	Furnace Oil, Marine Fuel, Diesel LDO, LSHS	Heat of combustion of liquid hydrocarbon fuel by Bomb calorimeter Method	ASTM D 240
494	CHEMICAL- PETROLEUM AND PRODUCTS	Furnace Oil, Marine Fuel, LSHS	Kinematic Viscosity @ 50 Deg C	ASTM D 7042
495	CHEMICAL- PETROLEUM AND PRODUCTS	Furnace Oil, Marine Fuel, LSHS	Kinematic Viscosity @ 50 Deg C	ASTM D 445
496	CHEMICAL- PETROLEUM AND PRODUCTS	Furnace Oil, Marine Fuel, LSHS	Asphaltene Content	ASTM D 6560
497	CHEMICAL- PETROLEUM AND PRODUCTS	Furnace Oil, Marine Fuel, LSHS	Asphaltene Content	IP 143
498	CHEMICAL- PETROLEUM AND PRODUCTS	Furnace Oil, Marine Fuel, LSHS	Asphaltene Content	IS 1448 (P-22)
499	CHEMICAL- PETROLEUM AND PRODUCTS	Furnace Oil, Marine Fuel, LSHS	Kinematic Viscosity @ 50 Deg C	IP 71
500	CHEMICAL- PETROLEUM AND PRODUCTS	Furnace Oil, Marine Fuel, LSHS	Kinematic Viscosity @ 50 Deg C	IS 1448 (P 25)
501	CHEMICAL- PETROLEUM AND PRODUCTS	Furnace Oils, LSHS, Marine Fuel	Conradson Carbon Residue (CCR)	IS 1448 (P 122)
502	CHEMICAL- PETROLEUM AND PRODUCTS	Furnace Oils, LSHS, Marine Fuel	Conradson Carbon Residue (CCR)	ASTM D 189

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503	CHEMICAL- PETROLEUM AND PRODUCTS	Furnace Oils, LSHS, Marine Fuel	Conradson Carbon Residue (CCR)	ISO 6615
504	CHEMICAL- PETROLEUM AND PRODUCTS	Gasoline, Diesel, Marine Fuel, Petroleum Solvents	Distillation Recovery	IP 123
505	CHEMICAL- PETROLEUM AND PRODUCTS	Gasoline, Diesel, Marine Fuel, Petroleum Solvents	Distillation Recovery	ASTM D 86
506	CHEMICAL- PETROLEUM AND PRODUCTS	Gasoline, Diesel, Marine Fuel, Petroleum Solvents	Distillation Recovery	ISO 3405
507	CHEMICAL- PETROLEUM AND PRODUCTS	Gasoline, Diesel, Marine Fuel, Petroleum Solvents	Distillation Recovery	IS 1448 (P-18)
508	CHEMICAL- PETROLEUM AND PRODUCTS	Marine Fuels	CCAI (Calculated Carbon Aromaticity Index)	CTP-T-094 (Calculation Method)
509	CHEMICAL- PETROLEUM AND PRODUCTS	Petroleum Products	Refractive Index	ASTM D 1218
510	CHEMICAL- PETROLEUM AND PRODUCTS	Petroleum Solvents, Diesel, Kerosene, Gasoline	Flash Point (Abel)	IP-170
511	CHEMICAL- PETROLEUM AND PRODUCTS	Petroleum Solvents, Kerosene, Diesel, Gasoline	Flash Point (Abel)	ISO 13736
512	CHEMICAL- PETROLEUM AND PRODUCTS	Petroleum Solvents, Kerosene, Diesel, Gasoline	Flash Point (Abel)	IS1448 (P-20)
513	CHEMICAL- PETROLEUM AND PRODUCTS	Thermic Fluids, Petroleum Solvents	Distillation Recovery	ASTM D 86
514	CHEMICAL- RESIDUES IN WATER	Boiler Water, Cooling Tower Water, Industrial Water, Drinking Water, Potable Water, Domestic Water, Borewell Water, Packaged Drinking Water	Aluminium (Al)	ASTM D 1976
515	CHEMICAL- RESIDUES IN WATER	Boiler Water, Cooling Tower Water, Industrial Water, Drinking Water, Potable Water, Domestic Water, Borewell Water, Packaged Drinking Water	Antimony (Sb)	ASTM D 1976
516	CHEMICAL- RESIDUES IN WATER	Boiler Water, Cooling Tower Water, Industrial Water, Drinking Water, Potable Water, Domestic Water, Borewell Water, Packaged Drinking Water	Arsenic (As)	ASTM D 1976
517	CHEMICAL- RESIDUES IN WATER	Boiler Water, Cooling Tower Water, Industrial Water, Drinking Water, Potable Water, Domestic Water, Borewell Water, Packaged Drinking Water	Beryllium (Be)	ASTM D 1976
518	CHEMICAL- RESIDUES IN WATER	Boiler Water, Cooling Tower Water, Industrial Water, Drinking Water, Potable Water, Domestic Water, Borewell Water, Packaged Drinking Water	Boron (B)	ASTM D 1976
519	CHEMICAL- RESIDUES IN WATER	Boiler Water, Cooling Tower Water, Industrial Water, Drinking Water, Potable Water, Domestic Water, Borewell Water, Packaged Drinking Water	Cadmium (Cd)	ASTM D 1976

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520	CHEMICAL- RESIDUES IN WATER	Boiler Water, Cooling Tower Water, Industrial Water, Drinking Water, Potable Water, Domestic Water, Borewell Water, Packaged Drinking Water	Chromium (Cr)	ASTM D 1976
521	CHEMICAL- RESIDUES IN WATER	Boiler Water, Cooling Tower Water, Industrial Water, Drinking Water, Potable Water, Domestic Water, Borewell Water, Packaged Drinking Water	Cobalt (Co)	ASTM D 1976
522	CHEMICAL- RESIDUES IN WATER	Boiler Water, Cooling Tower Water, Industrial Water, Drinking Water, Potable Water, Domestic Water, Borewell Water, Packaged Drinking Water	Copper (Cu)	ASTM D 1976
523	CHEMICAL- RESIDUES IN WATER	Boiler Water, Cooling Tower Water, Industrial Water, Drinking Water, Potable Water, Domestic Water, Borewell Water, Packaged Drinking Water	Iron (Fe)	ASTM D 1976
524	CHEMICAL- RESIDUES IN WATER	Boiler Water, Cooling Tower Water, Industrial Water, Drinking Water, Potable Water, Domestic Water, Borewell Water, Packaged Drinking Water	Lead (Pb)	ASTM D 1976
525	CHEMICAL- RESIDUES IN WATER	Boiler Water, Cooling Tower Water, Industrial Water, Drinking Water, Potable Water, Domestic Water, Borewell Water, Packaged Drinking Water	Magnesium (Mg)	ASTM D 1976
526	CHEMICAL- RESIDUES IN WATER	Boiler Water, Cooling Tower Water, Industrial Water, Drinking Water, Potable Water, Domestic Water, Borewell Water, Packaged Drinking Water	Manganese (Mn)	ASTM D 1976
527	CHEMICAL- RESIDUES IN WATER	Boiler Water, Cooling Tower Water, Industrial Water, Drinking Water, Potable Water, Domestic Water, Borewell Water, Packaged Drinking Water	Molybdenum (Mo)	ASTM D 1976
528	CHEMICAL- RESIDUES IN WATER	Boiler Water, Cooling Tower Water, Industrial Water, Drinking Water, Potable Water, Domestic Water, Borewell Water, Packaged Drinking Water	Nickel (Ni)	ASTM D 1976
529	CHEMICAL- RESIDUES IN WATER	Boiler Water, Cooling Tower Water, Industrial Water, Drinking Water, Potable Water, Domestic Water, Borewell Water, Packaged Drinking Water	Selenium (Se)	ASTM D 1976
530	CHEMICAL- RESIDUES IN WATER	Boiler Water, Cooling Tower Water, Industrial Water, Drinking Water, Potable Water, Domestic Water, Borewell Water, Packaged Drinking Water	Vanadium (V)	ASTM D 1976
531	CHEMICAL- RESIDUES IN WATER	Boiler Water, Cooling Tower Water, Industrial Water, Drinking Water, Potable Water, Domestic Water, Borewell Water, Packaged Drinking Water	Zinc (Zn)	ASTM D 1976
532	CHEMICAL- RESIDUES IN WATER	Boiler Water, Cooling Tower Water, Industrial Water, Drinking Water, Potable Water, Domestic Water, Borewell Water, Packaged Drinking Water	Silver (Ag)	ASTM D 1976
533	CHEMICAL- WATER	Boiler Water, Cooling Tower Water, Industrial Water	Ammonia (as total ammonia-N)	APHA 4500-NH3-C
534	CHEMICAL- WATER	Boiler Water, Cooling Tower Water, Industrial Water	Ammonia (as total ammonia-N)	IS 3025 (Part 34)

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535	CHEMICAL- WATER	Boiler Water, Cooling Tower Water, Industrial Water	Appearance	APHA 2110
536	CHEMICAL- WATER	Boiler Water, Cooling Tower Water, Industrial Water	Chlorides (as Cl)	APHA 4500-Cl- B
537	CHEMICAL- WATER	Boiler Water, Cooling Tower Water, Industrial Water	Chlorides (as Cl)	APHA 4500-Cl-D
538	CHEMICAL- WATER	Boiler Water, Cooling Tower Water, Industrial Water	Chlorides (as Cl)	IS 3025 (Part 32)
539	CHEMICAL- WATER	Boiler Water, Cooling Tower Water, Industrial Water	Conductivity	APHA 2510-B
540	CHEMICAL- WATER	Boiler Water, Cooling Tower Water, Industrial Water	Conductivity	IS 3025 (Part 14
541	CHEMICAL- WATER	Boiler Water, Cooling Tower Water, Industrial Water	Dissolved Oxygen	IS 3025 (Part 38)
542	CHEMICAL- WATER	Boiler Water, Cooling Tower Water, Industrial Water	Free CO2	APHA 4500-CO2-C
543	CHEMICAL- WATER	Boiler Water, Cooling Tower Water, Industrial Water	Free CO2	IS 3025 (Part 61)
544	CHEMICAL- WATER	Boiler Water, Cooling Tower Water, Industrial Water	Langelier Saturation Index	ASTM D 3739
545	CHEMICAL- WATER	Boiler Water, Cooling Tower Water, Industrial Water	Langelier Saturation Index	CTP-T-096
546	CHEMICAL- WATER	Boiler Water, Cooling Tower Water, Industrial Water	Nitrate (as NO3)	APHA 4500-NO3-B
547	CHEMICAL- WATER	Boiler Water, Cooling Tower Water, Industrial Water	Nitrate (as NO3)	IS 3025 (Part 34)
548	CHEMICAL- WATER	Boiler Water, Cooling Tower Water, Industrial Water	Nitrite	APHA 4500 NO2-B
549	CHEMICAL- WATER	Boiler Water, Cooling Tower Water, Industrial Water	Nitrite	IS 3025 (Part 34)
550	CHEMICAL- WATER	Boiler Water, Cooling Tower Water, Industrial Water	Oil and Grease	APHA 5520-B
551	CHEMICAL- WATER	Boiler Water, Cooling Tower Water, Industrial Water	Oil and Grease	IS 3025 (Part 39)
552	CHEMICAL- WATER	Boiler Water, Cooling Tower Water, Industrial Water	pH	APHA 4500-H+-B
553	CHEMICAL- WATER	Boiler Water, Cooling Tower Water, Industrial Water	pH	IS 3025 (Part 11)
554	CHEMICAL- WATER	Boiler Water, Cooling Tower Water, Industrial Water	Reactive Silica	APHA 4500-SiO2-C
555	CHEMICAL- WATER	Boiler Water, Cooling Tower Water, Industrial Water	Reactive Silica	IS 3025 (Part 35)
556	CHEMICAL- WATER	Boiler Water, Cooling Tower Water, Industrial Water	Ryzner Stability Index	CTP-T-096
557	CHEMICAL- WATER	Boiler Water, Cooling Tower Water, Industrial Water	Sulfide Content (as H2S)	APHA 4500-S2- F
558	CHEMICAL- WATER	Boiler Water, Cooling Tower Water, Industrial Water	Sulfide Content (as H2S)	IS 3025 (Part 29)
559	CHEMICAL- WATER	Boiler Water, Cooling Tower Water, Industrial Water	Sulphate (as SO4)	APHA 4500-SO4- E
560	CHEMICAL- WATER	Boiler Water, Cooling Tower Water, Industrial Water	Total Alkalinity as CaCO3 (p-alkalanity, m-alkalinity)	APHA 2320-B
561	CHEMICAL- WATER	Boiler Water, Cooling Tower Water, Industrial Water	Total Alkalinity as CaCO3 (p-alkalanity, m-alkalinity)	IS 3025 (Part 23)
562	CHEMICAL- WATER	Boiler Water, Cooling Tower Water, Industrial Water	Total Dissolved Solids (TDS)	APHA 2540-C
563	CHEMICAL- WATER	Boiler Water, Cooling Tower Water, Industrial Water	Total Dissolved Solids (TDS)	IS 3025 (Part 16)

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564	CHEMICAL- WATER	Boiler Water, Cooling Tower Water, Industrial Water	Total Hardness (as CaCO3)	APHA 2340- B, C
565	CHEMICAL- WATER	Boiler Water, Cooling Tower Water, Industrial Water	Total Hardness (as CaCO3)	IS 3025 (Part 21)
566	CHEMICAL- WATER	Boiler Water, Cooling Tower Water, Industrial Water	Total Suspended Solids (TSS)	APHA 2540-D
567	CHEMICAL- WATER	Boiler Water, Cooling Tower Water, Industrial Water	Total Suspended Solids (TSS)	IS 3025 (Part 17)
568	CHEMICAL- WATER	Boiler Water, Cooling Tower Water, Industrial Water	Turbidity	APHA 2130-B
569	CHEMICAL- WATER	Boiler Water, Cooling Tower Water, Industrial Water	Turbidity	IS 3025 (Part 10)
570	CHEMICAL- WATER	Boiler Water, Cooling Tower Water, Industrial Water, Domestic Water	Calcium Hardness as CaCo3	APHA 3500-Ca-B
571	CHEMICAL- WATER	Boiler Water, Cooling Tower Water, Industrial Water, Domestic Water	Magnesium as Mg	APHA 3500-Mg-B
572	CHEMICAL- WATER	Boiler Water, Cooling Tower Water, Industrial Water, Domestic Water.	Calcium as Ca	APHA 3500-Ca-B
573	CHEMICAL- WATER	Boiler Water, Cooling Tower Water, Industrial Water, Drinking Water, Potable Water, Domestic Water, Borewell Water, Packaged Drinking Water	Phenols	APHA 5530-C
574	CHEMICAL- WATER	Drinking Water	Ammonia (as total ammonia-N)	APHA 4500-NH3-C
575	CHEMICAL- WATER	Drinking Water	Ammonia (as total ammonia-N)	IS 3025 (Part 34)
576	CHEMICAL- WATER	Drinking Water	Appearance	APHA 2110
577	CHEMICAL- WATER	Drinking Water	Calcium as Ca	APHA 3500-Ca-B
578	CHEMICAL- WATER	Drinking Water	Calcium Hardness as CaCO3	APHA-3500-Ca-B
579	CHEMICAL- WATER	Drinking Water	Chlorides (as Cl)	APHA 4500-Cl- B
580	CHEMICAL- WATER	Drinking Water	Chlorides (as Cl)	APHA 4500-Cl-D
581	CHEMICAL- WATER	Drinking Water	Chlorides (as Cl)	IS 3025 (Part 32)
582	CHEMICAL- WATER	Drinking Water	Conductivity	APHA 2510-B
583	CHEMICAL- WATER	Drinking Water	Conductivity	IS 3025 (Part 14)
584	CHEMICAL- WATER	Drinking Water	Dissolve Oxygen	APHA 4500-O-B,C
585	CHEMICAL- WATER	Drinking Water	Fluoride (as F)	APHA 4500-F- D
586	CHEMICAL- WATER	Drinking Water	Fluoride (as F)	IS 3025 (Part 60)
587	CHEMICAL- WATER	Drinking Water	Free CO2	APHA 4500-CO2-C
588	CHEMICAL- WATER	Drinking Water	Free CO2	IS 3025 (Part 61)
589	CHEMICAL- WATER	Drinking Water	Free Residual Chlorine	APHA 4500 Cl-B
590	CHEMICAL- WATER	Drinking Water	Free Residual Chlorine	IS 3025 (Part 26)

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591	CHEMICAL- WATER	Drinking Water	Magnesium as Mg	APHA-3500-Mg-B
592	CHEMICAL- WATER	Drinking Water	Nitrate (as NO3)	APHA 4500-NO3-B
593	CHEMICAL- WATER	Drinking Water	Nitrate (as NO3)	IS 3025 (Part 34)
594	CHEMICAL- WATER	Drinking Water	Nitrite	APHA 4500 NO2-B
595	CHEMICAL- WATER	Drinking Water	Nitrite	IS 3025 (Part 34)
596	CHEMICAL- WATER	Drinking Water	Oil and Grease	APHA 5520-B
597	CHEMICAL- WATER	Drinking Water	Oil and Grease	IS 3025 (Part 39)
598	CHEMICAL- WATER	Drinking Water	pH	APHA 4500-H+-B
599	CHEMICAL- WATER	Drinking Water	pH	IS 3025 (Part 11)
600	CHEMICAL- WATER	Drinking Water	Reactive Silica	APHA 4500-SiO2-C
601	CHEMICAL- WATER	Drinking Water	Reactive Silica	IS 3025 (Part 35)
602	CHEMICAL- WATER	Drinking Water	Sulfide Content (as H2S)	APHA 4500-S2- F
603	CHEMICAL- WATER	Drinking Water	Sulfide Content (as H2S)	IS 3025 (Part 29)
604	CHEMICAL- WATER	Drinking Water	Sulphate (as SO4)	APHA 4500-SO4- E
605	CHEMICAL- WATER	Drinking Water	Total Alkalinity as CaCO3 (p-alkalanity, m-alkalinity)	APHA 2320-B
606	CHEMICAL- WATER	Drinking Water	Total Alkalinity as CaCO3 (p-alkalanity, m-alkalinity)	IS 3025 (Part 23)
607	CHEMICAL- WATER	Drinking Water	Total Dissolved Solids (TDS)	APHA 2540-C
608	CHEMICAL- WATER	Drinking Water	Total Dissolved Solids (TDS)	IS 3025 (Part 16)
609	CHEMICAL- WATER	Drinking Water	Total Hardness (as CaCO3)	APHA 2340- B, C
610	CHEMICAL- WATER	Drinking Water	Total Hardness (as CaCO3)	IS 3025 (Part 21)
611	CHEMICAL- WATER	Drinking Water	Total Suspended Solids (TSS)	APHA 2540-D
612	CHEMICAL- WATER	Drinking Water	Total Suspended Solids (TSS)	IS 3025 (Part 17)
613	CHEMICAL- WATER	Drinking Water	Turbidity	APHA 2130-B
614	CHEMICAL- WATER	Drinking Water	Turbidity	IS 3025 (Part 10)