National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : ALEX STEWART INTERNATIONAL (INDIA) PRIVATE LIMITED, PLOT NO. L-9, BLOCK NO.6, THIRU.VI.KA INDUSTRIAL ESTATE, GUINDY, CHENNAI, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 29/12/2021 to 28/12/2023 **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
LOCATION 1-PLOT NO. L-9, BLOCK NO.6, THIRU.VI.KA INDUSTRIAL ESTATE, GUINDY, CHENNAI, TAMIL NADU, INDIA Permanent Facility				
1	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Crude Palm Kernal Oil (CPKO)	Insoluble Impurities	IS 548 (Part 1)
2	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Crude Palm Kernel Oil (CPKO)	Acid Value / Free Fatty Acid	FSSAI 02.009
3	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Crude Palm Kernel Oil (CPKO)	Acid Value / Free Fatty Acid	IS 548 (Part 1)
4	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Crude Palm Kernel Oil (CPKO)	Colour	FSSAI 02.005
5	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Crude Palm Kernel Oil (CPKO)	Colour	IS 548 (Part 1)
6	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Crude Palm Kernel Oil (CPKO)	Flash Point (Pensky Martens Closed Cup)	FSSAI 02.004
7	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Crude Palm Kernel Oil (CPKO)	Iodine Value (Wijs Method)	IS 548 (Part 1)
8	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Crude Palm Kernel Oil (CPKO)	Melting Point (Open Tube Capillary Slip)	FSSAI 02.006
9	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Crude Palm Kernel Oil (CPKO)	Melting Point (Open Tube Capillary Slip)	IS 548 (Part 1)
10	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Crude Palm Kernel Oil (CPKO)	Moisture and Volatile matter	FSSAI 02.001
11	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Crude Palm Kernel Oil (CPKO)	Moisture and Volatile matter	IS 548 (Part 1)
12	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Crude Palm Kernel Oil (CPKO)	Peroxide Value	IS 548 (Part 1)
13	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Crude Palm Kernel Oil (CPKO)	Refractive Index at 40°C	FSSAI 02.003

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14	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Crude Palm Kernel Oil (CPKO)	Refractive Index at 40°C	IS 548 (Part 1)
15	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Crude Palm Kernel Oil (CPKO)	Saponification Value	FSSAI 02.007
16	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Crude Palm Kernel Oil (CPKO)	Saponification Value	IS 548 (Part 1)
17	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Crude Palm Kernel Oil (CPKO)	Specific Gravity	FSSAI 02.002
18	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Crude Palm Kernel Oil (CPKO)	Specific Gravity	IS 548 (Part 1)
19	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Crude Palm Kernel Oil (CPKO)	Unsaponifiable Matter	FSSAI 02.008
20	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Crude Palm Kernel Oil (CPKO)	Unsaponifiable Matter	IS 548 (Part 1)
21	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Crude Palm Kernel Value (CPKO)	Iodine Value (Wijs Method)	FSSAI 02.010
22	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Crude Palm Oil (CPO)	Acid Value / Free Fatty Acid	FSSAI 02.009
23	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Crude Palm Oil (CPO)	Acid Value / Free Fatty Acid	IS 548 (Part 1)
24	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Crude Palm Oil (CPO)	Castor Oil	IS 548 (Part 2) Method A
25	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Crude Palm Oil (CPO)	Colour	FSSAI 02.005
26	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Crude Palm Oil (CPO)	Colour	IS 548 (Part 1)
27	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Crude Palm Oil (CPO)	Cotton Seed Oil (Halphen Test)	FSSAI 02.014

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28	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Crude Palm Oil (CPO)	Cotton Seed Oil (Halphen Test)	IS 548 (Part 2)
29	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Crude Palm Oil (CPO)	Flash Point (Pensky Martens Closed Cup)	FSSAI 02.004
30	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Crude Palm Oil (CPO)	Insoluble Impurities	IS 548 (Part 1)
31	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Crude Palm Oil (CPO)	Iodine Value (Wijs Method)	FSSAI 02.010
32	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Crude Palm Oil (CPO)	Iodine Value (Wijs Method)	IS 548 (Part 1)
33	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Crude Palm Oil (CPO)	Melting Point (Open Tube Capillary Slip)	FSSAI 02.006
34	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Crude Palm Oil (CPO)	Melting Point (Open Tube Capillary Slip)	IS 548 (Part 1)
35	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Crude Palm Oil (CPO)	Mineral Oil (Holde's Test)	FSSAI 02.029
36	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Crude Palm Oil (CPO)	Mineral Oil (Holde's Test)	IS 548 (Part 2)
37	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Crude Palm Oil (CPO)	Moisture and Volatile Matter	FSSAI 02.001
38	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Crude Palm Oil (CPO)	Moisture and Volatile Matter	IS 548 (Part 1)
39	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Crude Palm Oil (CPO)	Peroxide Value	IS 548 (Part 1)
40	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Crude Palm Oil (CPO)	Refractive Index at 50°C	FSSAI 02.003
41	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Crude Palm Oil (CPO)	Refractive Index at 50°C	IS 548 (Part 1)

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42	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Crude Palm Oil (CPO)	Saponification Value	FSSAI 02.007
43	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Crude Palm Oil (CPO)	Saponification Value	IS 548 (Part 1)
44	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Crude Palm Oil (CPO)	Sesame Oil	FSSAI 02.013
45	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Crude Palm Oil (CPO)	Specific Gravity	FSSAI 02.002
46	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Crude Palm Oil (CPO)	Specific Gravity	IS 548 (Part 1)
47	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Crude Palm Oil (CPO)	Total Carotenoids as beta-carotene	BS 684-2.20
48	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Crude Palm Oil (CPO)	Total Carotenoids as beta-carotene	FSSAI 02.041
49	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Crude Palm Oil (CPO)	Unsaponifiable Matter	FSSAI 02.008
50	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Crude Palm Oil (CPO)	Unsaponifiable Matter	IS 548 (Part 1)
51	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Crude Sunflower Oil (CSFO)	Unsaponifiable Matter	FSSAI 02.008
52	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Crude Sunflower Oil (CSFO)	Unsaponifiable Matter	IS 548 (Part 1)
53	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Crude Sunflower Seed Oil (CSFO)	Sesame Oil	FSSAI 02.013
54	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Crude Sunflower Seed Oil (CSFO)	Acid Value / Free Fatty Acid	FSSAI 02.009
55	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Crude Sunflower Seed Oil (CSFO)	Acid Value / Free Fatty Acid	IS 548 (Part 1)

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56	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Crude Sunflower Seed Oil (CSFO)	Colour	FSSAI 02.005
57	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Crude Sunflower Seed Oil (CSFO)	Colour	IS 548 (Part 1)
58	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Crude Sunflower Seed Oil (CSFO)	Cotton Seed Oil (Halphen Test)	FSSAI 02.014
59	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Crude Sunflower Seed Oil (CSFO)	Cotton Seed Oil (Halphen Test)	IS 548 (Part 2)
60	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Crude Sunflower Seed Oil (CSFO)	Flash Point (Pensky Martens Closed Cup)	FSSAI 02.004
61	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Crude Sunflower Seed Oil (CSFO)	Insoluble Impurities	IS 548 (Part 1)
62	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Crude Sunflower Seed Oil (CSFO)	Iodine Value (Wijs Method)	FSSAI 02.010
63	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Crude Sunflower Seed Oil (CSFO)	Iodine Value (Wijs Method)	IS 548 (Part 1)
64	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Crude Sunflower Seed Oil (CSFO)	Mineral Oil (Holde's Test)	FSSAI 02.029
65	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Crude Sunflower Seed Oil (CSFO)	Mineral Oil (Holde's Test)	IS 548 (Part 2)
66	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Crude Sunflower Seed Oil (CSFO)	Moisture and Volatile Matter	FSSAI 02.001
67	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Crude Sunflower Seed Oil (CSFO)	Moisture and Volatile matter	IS 548 (Part 1)
68	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Crude Sunflower Seed Oil (CSFO)	Peroxide Value	IS 548 (Part 1)
69	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Crude Sunflower Seed Oil (CSFO)	Refractive Index at 40°C	FSSAI 02.003

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70	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Crude Sunflower Seed Oil (CSFO)	Refractive Index at 40°C	IS 548 (Part 1)
71	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Crude Sunflower Seed Oil (CSFO)	Saponification Value	FSSAI 02.007
72	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Crude Sunflower Seed Oil (CSFO)	Saponification Value	IS 548 (Part 1)
73	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Crude Sunflower Seed Oil (CSFO)	Specific Gravity	FSSAI 02.002
74	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Crude Sunflower Seed Oil (CSFO)	Specific Gravity	IS 548 (Part 1)
75	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Refine Bleached Deodorized Palmolein(RBD)	Iodine Value (Wijs method)	FSSAI 02.010
76	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Refined Bleached Deodorized Palmolein (RBD)	Moisture and Volatile Matter	IS 548 (Part 1)
77	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Refined Bleached Deodorized Palmolein(RBD)	Acid Value / Free Fatty Acid	FSSAI 02.009
78	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Refined Bleached Deodorized Palmolein(RBD)	Acid Value / Free Fatty Acid	IS 548 (Part 1)
79	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Refined Bleached Deodorized Palmolein(RBD)	Castor Oil	IS 548 (Part 2) Method A
80	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Refined Bleached Deodorized Palmolein(RBD)	Cloud Point	FSSAI 02.015
81	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Refined Bleached Deodorized Palmolein(RBD)	Colour	FSSAI 02.005
82	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Refined Bleached Deodorized Palmolein(RBD)	Colour	IS 548 (Part 1)
83	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Refined Bleached Deodorized Palmolein(RBD)	Cotton Seed Oil (Halphen Test)	FSSAI 02.014

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84	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Refined Bleached Deodorized Palmolein(RBD)	Cotton Seed Oil (Halphen Test)	IS 548 (Part 2)
85	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Refined Bleached Deodorized Palmolein(RBD)	Flash Point(Pensky Martens Closed Cup)	FSSAI 02.004
86	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Refined Bleached Deodorized Palmolein(RBD)	Hydrocyanic Acid	FSSAI 02.035(Method B)
87	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Refined Bleached Deodorized Palmolein(RBD)	Hydrocyanic Acid	IS 548 (Part 2)-Method B
88	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Refined Bleached Deodorized Palmolein(RBD)	Insoluble Impurities	IS 548 (Part 1)
89	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Refined Bleached Deodorized Palmolein(RBD)	Iodine Value (Wijs method)	IS 548 (Part 1)
90	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Refined Bleached Deodorized Palmolein(RBD)	Melting Point (Open Tube Capillary Slip)	IS 548 (Part 1)
91	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Refined Bleached Deodorized Palmolein(RBD)	Melting Point (Open Tube Capillary Test)	FSSAI 02.006
92	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Refined Bleached Deodorized Palmolein(RBD)	Mineral Oil (Holde's Test)	FSSAI 02.029
93	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Refined Bleached Deodorized Palmolein(RBD)	Mineral Oil (Holde's Test)	IS 548 (Part 2)
94	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Refined Bleached Deodorized Palmolein(RBD)	Moisture and Volatile Matter	FSSAI 02.001
95	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Refined Bleached Deodorized Palmolein(RBD)	Peroxide Value	IS 548 (Part 1)
96	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Refined Bleached Deodorized Palmolein(RBD)	Refractive Index at 40°C	FSSAI 02.003
97	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Refined Bleached Deodorized Palmolein(RBD)	Refractive Index at 40°C	IS 548 (Part 1)

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98	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Refined Bleached Deodorized Palmolein(RBD)	Saponification Value	FSSAI 02.007
99	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Refined Bleached Deodorized Palmolein(RBD)	Saponification Value	IS 548 (Part 1)
100	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Refined Bleached Deodorized Palmolein(RBD)	Sesame Oil	FSSAI 02.013
101	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Refined Bleached Deodorized Palmolein(RBD)	Specific Gravity	FSSAI 02.002
102	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Refined Bleached Deodorized Palmolein(RBD)	Specific Gravity	IS 548 (Part 1)
103	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Refined Bleached Deodorized Palmolein(RBD)	Unsaponifiable matter	FSSAI 02.008
104	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Refined Bleached Deodorized Palmolein(RBD)	Unsaponifiable Matter	IS 548 (Part 1)
105	CHEMICAL- METALS & ALLOYS	Lead & lead alloys	Aluminium (as Al)	ASIIPL.CHI/IHM/001
106	CHEMICAL- METALS & ALLOYS	Lead & lead alloys	Antimony (as Sb)	ASIIPL.CHI/IHM/001
107	CHEMICAL- METALS & ALLOYS	Lead & lead alloys	Arsenic (as As)	ASIIPL/CHI/IHM/001
108	CHEMICAL- METALS & ALLOYS	Lead & lead alloys	Bismuth (as Bi)	ASIIPL/CHI/IHM/001
109	CHEMICAL- METALS & ALLOYS	Lead & lead alloys	Cadmium (as Cd)	ASIIPL/CHI/IHM/001
110	CHEMICAL- METALS & ALLOYS	Lead & lead alloys	Calcium (as Ca)	ASIIPL/CHI/IHM/001
111	CHEMICAL- METALS & ALLOYS	Lead & lead alloys	Chromium (as Cr)	ASIIPL/CHI/IHM/001
112	CHEMICAL- METALS & ALLOYS	Lead & lead alloys	Copper (as Cu)	ASIIPL/CHI/IHM/001
113	CHEMICAL- METALS & ALLOYS	Lead & lead alloys	Iron (as Fe)	ASIIPL/CHI/IHM/001

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114	CHEMICAL- METALS & ALLOYS	Lead & lead alloys	Manganese (as Mn)	ASIIPL/CHI/IHM/001
115	CHEMICAL- METALS & ALLOYS	Lead & lead alloys	Nickel (as Ni)	ASIIPL/CHI/IHM/001
116	CHEMICAL- METALS & ALLOYS	Lead & lead alloys	Selenium (as Se)	ASIIPL/CHI/IHM/001
117	CHEMICAL- METALS & ALLOYS	Lead & lead alloys	Silver (as Ag)	ASIIPL/CHI/IHM/001
118	CHEMICAL- METALS & ALLOYS	Lead & lead alloys	Sulphur (as S)	ASIIPL/CHI/IHM/001
119	CHEMICAL- METALS & ALLOYS	Lead & lead alloys	Tellurium (as Te)	ASIIPL/CHI/IHM/001
120	CHEMICAL- METALS & ALLOYS	Lead & lead alloys	Tin (as Sn)	ASIIPL/CHI/IHM/001
121	CHEMICAL- METALS & ALLOYS	Lead & lead alloys	Zinc (as Zn)	ASIIPL/CHI/IHM/001
122	CHEMICAL- ORES & MINERALS	Iron ores	Alumina	IS 1493 (Part - 1)
123	CHEMICAL- ORES & MINERALS	Iron ores	Alumina	ISO 6830
124	CHEMICAL- ORES & MINERALS	Iron ores	Flow Moisture Point (FMP) & Transportable Moisture Limit (TML)	IMSBC CODE -Appx -2 (Flow table method)
125	CHEMICAL- ORES & MINERALS	Iron ores	Loss on Ignition	Chemical & Instrumental Analysis of Ores, Indian Bureau of Mines
126	CHEMICAL- ORES & MINERALS	Iron ores	Phosphorus	IS 1493
127	CHEMICAL- ORES & MINERALS	Iron ores	Phosphorus	ISO 2599
128	CHEMICAL- ORES & MINERALS	Iron ores	Silica	ISO 2598 - 1
129	CHEMICAL- ORES & MINERALS	Iron ores	Silica	IS 1493 (Part 1)
130	CHEMICAL- ORES & MINERALS	Iron ores	Sulphur	IS 1493
131	CHEMICAL- ORES & MINERALS	Iron ores	Sulphur	ISO 4689

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132	CHEMICAL- ORES & MINERALS	Iron ores	Total Iron	IS 1493 (Part 1)
133	CHEMICAL- ORES & MINERALS	Iron ores	Total Iron	ISO 2597 - 1
134	CHEMICAL- ORES & MINERALS	Limestone	Alumina as Al2O3	IS 1760 (Part 3)
135	CHEMICAL- ORES & MINERALS	Limestone	Calcium as CaO	IS 1760 (Part 3)
136	CHEMICAL- ORES & MINERALS	Limestone	Iron as Fe2O3	IS 1760 (Part 3)
137	CHEMICAL- ORES & MINERALS	Limestone	Loss on Ignition	IS 1760 (Part 1)
138	CHEMICAL- ORES & MINERALS	Limestone	Magnesium as MgO	IS 1760 (Part 3)
139	CHEMICAL- ORES & MINERALS	Limestone	Silica as SiO2	IS 1760 (Part 2)
140	CHEMICAL- ORES & MINERALS	Rock phosphate	Calcium as CaO	IS 9386
141	CHEMICAL- ORES & MINERALS	Rock phosphate	Potassium as K2O	IS 9497
142	CHEMICAL- ORES & MINERALS	Rock phosphate	Silica as SiO2	IS 11224
143	CHEMICAL- ORES & MINERALS	Rock phosphate	Sodium as Na2O	IS 9497
144	CHEMICAL- ORES & MINERALS	Rock phosphate	Sulphur Trioxide as SO3	IS 1355
145	CHEMICAL- ORES & MINERALS	Rock phosphate	Total Phosphate as P2O5	IS 11224
146	CHEMICAL- SOLID FUELS	Coal	Ash	ASTM D3174
147	CHEMICAL- SOLID FUELS	Coal	Ash	IS 1350 (Part 1)
148	CHEMICAL- SOLID FUELS	Coal	Ash	ISO 1171
149	CHEMICAL- SOLID FUELS	Coal	Chlorine	IS 1350 (Part 5)
150	CHEMICAL- SOLID FUELS	Coal	Chlorine	ISO 587
151	CHEMICAL- SOLID FUELS	Coal	Fixed Carbon	ASTM D3172
152	CHEMICAL- SOLID FUELS	Coal	Fixed Carbon	IS 1350 (Part 1)
153	CHEMICAL- SOLID FUELS	Coal	Fixed Carbon	ISO 17246

SCOPE OF ACCREDITATION

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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
154	CHEMICAL- SOLID FUELS	Coal	Gross Calorific Value	ASTM D5865
155	CHEMICAL- SOLID FUELS	Coal	Gross Calorific Value	IS 1350 (Part 2)
156	CHEMICAL- SOLID FUELS	Coal	Gross Calorific Value	ISO 1928
157	CHEMICAL- SOLID FUELS	Coal	Hardgrove Grindability Index	ASTM D409/D409M
158	CHEMICAL- SOLID FUELS	Coal	Hardgrove Grindability Index	IS 4433
159	CHEMICAL- SOLID FUELS	Coal	Moisture in analysis sample / Inherent Moisture	ASTM D3173/D3173M
160	CHEMICAL- SOLID FUELS	Coal	Moisture in analysis sample / Inherent Moisture	IS 1350 (Part 1)
161	CHEMICAL- SOLID FUELS	Coal	Net Calorific Value	ASTM D 5865
162	CHEMICAL- SOLID FUELS	Coal	Net Calorific Value	ISO 1928
163	CHEMICAL- SOLID FUELS	Coal	Phosphorus	IS 1350 (Part 5)
164	CHEMICAL- SOLID FUELS	Coal	Total Sulphur	IS 1350 (Part 3)
165	CHEMICAL- SOLID FUELS	Coal	Total Sulphur	ISO 334
166	CHEMICAL- SOLID FUELS	Coal	Volatile Matter	ASTM D3175
167	CHEMICAL- SOLID FUELS	Coal	Volatile Matter	IS 1350 (Part 1)
168	CHEMICAL- SOLID FUELS	Coal	Volatile Matter	ISO 562
169	CHEMICAL- SOLID FUELS	Coal & Coke (Ash Composition)	Alumina	Chemical & Instrumental Analysis -Indian Bureau of Mines
170	CHEMICAL- SOLID FUELS	Coal & Coke (Ash Composition)	Calcium Oxide	Chemical & Instrumental Analysis -Indian Bureau of Mines
171	CHEMICAL- SOLID FUELS	Coal & Coke (Ash Composition)	Ferric Oxide	Chemical & Instrumental Analysis -Indian Bureau of Mines
172	CHEMICAL- SOLID FUELS	Coal & Coke (Ash Composition)	Magnesium Oxide	Chemical & Instrumental Analysis -Indian Bureau of Mines
173	CHEMICAL- SOLID FUELS	Coal & Coke (Ash Composition)	Manganous Oxide	Chemical & Instrumental Analysis -Indian Bureau of Mines
174	CHEMICAL- SOLID FUELS	Coal & Coke (Ash composition)	Phosphorus Pentoxide	IS 1350 (Part 5)
175	CHEMICAL- SOLID FUELS	Coal & Coke (Ash Composition)	Potassium Oxide	Chemical & Instrumental analysis - Indian Bureau of Mines

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176	CHEMICAL- SOLID FUELS	Coal & Coke (Ash Composition)	Silica	Chemical & Instrumental Analysis -Indian Bureau of Mines
177	CHEMICAL- SOLID FUELS	Coal & Coke (Ash Composition)	Sodium Oxide	Chemical & Instrumental Analysis -Indian Bureau of Mines
178	CHEMICAL- SOLID FUELS	Coal & Coke (Ash Composition)	Sulphur Trioxide	IS 1355
179	CHEMICAL- SOLID FUELS	Coal & Coke (Ash Composition)	Titania	Chemical & Instrumental Analysis -Indian Bureau of Mines
180	CHEMICAL- SOLID FUELS	Coal & Coke - Fusibility of Ash (Oxidizing)	Softening Temperature, ST	ASTM D1857/D1857M
181	CHEMICAL- SOLID FUELS	Coal & Coke - Fusibility of Ash (Reducing)	Fluid Temperature,FT	ASTM D1857/D1857M
182	CHEMICAL- SOLID FUELS	Coal & Coke - Fusibility of Ash (Reducing)	Softening Temperature, ST	ASTM D 1857 / D 1857M
183	CHEMICAL- SOLID FUELS	Coal & Coke - Fusibility of Ash(Reducing)	Hemispherical Temperature, HT	ASTM D1857/D1857M
184	CHEMICAL- SOLID FUELS	Coal & Coke - Fusibility of Ash(Reducing)	Initial Deformation Temperature, IDT	ASTM D1857/D1857M
185	CHEMICAL- SOLID FUELS	Coal & Coke -Fusibility of Ash (Oxidizing)	Hemispherical Temperature,HT	ASTM D1857/D1857M
186	CHEMICAL- SOLID FUELS	Coal & Coke -Fusibility of Ash (Oxidizing)	Initial Deformation Temperature, IDT	ASTM D1857/D1857M
187	CHEMICAL- SOLID FUELS	Coal & Coke-Fusibility of Ash (Oxidizing)	Fluid Temperature,FT	ASTM D1857/D1857M
188	CHEMICAL- SOLID FUELS	Coal (Ultimate analysis)	Carbon	ASTM D5373
189	CHEMICAL- SOLID FUELS	Coal (Ultimate analysis)	Hydrogen	ASTM D5373
190	CHEMICAL- SOLID FUELS	Coal (Ultimate analysis)	Nitrogen	ASTM D5373
191	CHEMICAL- SOLID FUELS	Coke	Ash	ASTM D3174
192	CHEMICAL- SOLID FUELS	Coke	Ash	IS 1350 (Part 1)
193	CHEMICAL- SOLID FUELS	Coke	Fixed Carbon	ASTM D3172
194	CHEMICAL- SOLID FUELS	Coke	Fixed Carbon	IS 1350 (Part 1)
195	CHEMICAL- SOLID FUELS	Coke	Gross Calorific Value	ASTM D5865
196	CHEMICAL- SOLID FUELS	Coke	Gross Calorific Value	IS 1350 (Part 2)
197	CHEMICAL- SOLID FUELS	Coke	Moisture in analysis sample / Inherent Moisture	ASTM D3173/D3173M
198	CHEMICAL- SOLID FUELS	Coke	Moisture in analysis sample / Inherent Moisture	IS 1350 (Part 1)
199	CHEMICAL- SOLID FUELS	Coke	Net Calorific Value	ASTM D 5865

SCOPE OF ACCREDITATION

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200	CHEMICAL- SOLID FUELS	Coke	Net Calorific Value	ISO 1928
201	CHEMICAL- SOLID FUELS	Coke	Total Sulphur	IS 1350 (Part 3)
202	CHEMICAL- SOLID FUELS	Coke	Volatile Matter	ASTM D3175
203	CHEMICAL- SOLID FUELS	Coke	Volatile Matter	IS 1350 (Part 1)
204	CHEMICAL- SOLID FUELS	Petroleum Coke	Ash	ASTM D4422
205	CHEMICAL- SOLID FUELS	Petroleum Coke	Fixed Carbon	ASTM D3172
206	CHEMICAL- SOLID FUELS	Petroleum Coke	Gross Calorific Value	ASTM D5865
207	CHEMICAL- SOLID FUELS	Petroleum Coke	Moisture in Analysis Sample / Inherent Moisture	ASTM D3173/D3173M
208	CHEMICAL- SOLID FUELS	Petroleum Coke	Net Calorific Value	ASTM D5865
209	CHEMICAL- SOLID FUELS	Petroleum Coke	Net Calorific Value	ISO 1928
210	CHEMICAL- SOLID FUELS	Petroleum Coke	Sulphur	IS 1448 (Part 33)
211	CHEMICAL- SOLID FUELS	Petroleum Coke	Volatile matter	ASTM D6374
212	CHEMICAL- SOLID FUELS	Petroleum Coke (Ultimate analysis)	Carbon	ASTM D5373
213	CHEMICAL- SOLID FUELS	Petroleum Coke (Ultimate analysis)	Hydrogen	ASTM D5373
214	CHEMICAL- SOLID FUELS	Petroleum Coke (Ultimate Analysis)	Nitrogen	ASTM D5373

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LOCATION 2 - WESTERN SIDE OF IOC FORESHORE TERMINAL, AREA-1, CHENNAI PORT TRUST, ROYAPURAM, CHENNAI, TAMIL NADU, INDIA Permanent Facility				
1	CHEMICAL- ORES & MINERALS	Iron Ores	Angle of Repose	IMSBC Code, Appx-2
2	CHEMICAL- ORES & MINERALS	Iron ores	Moisture	IMSBC Code, Appx-2
3	CHEMICAL- ORES & MINERALS	Iron Ores	Moisture	IS 1493 Part 1
4	CHEMICAL- ORES & MINERALS	Iron ores	Moisture	ISO 3087
5	CHEMICAL- SOLID FUELS	Coal	Total Moisture	ASTM D3302/D3302M
6	CHEMICAL- SOLID FUELS	Coal	Total Moisture	IS 1350 (Part 1)
7	CHEMICAL- SOLID FUELS	Coal	Total Moisture	ISO 589
8	CHEMICAL- SOLID FUELS	Coke	Total Moisture	IS 1350 (Part 1)
9	CHEMICAL- SOLID FUELS	Petroleum Coke	Total Moisture	ASTM D4931