National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : INSPECTION RESOURCE ASSOCIATES PRIVATE LIMITED, 2ND FLOOR, S-37/1, KASBA INDUSTRIAL ESTATE, KOLKATA, WEST BENGAL, 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	Maize	Broken	ISO 19942
2	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Lentils, chickpeas, cowpeas, gram, beans	Moisture content	ISO 24557
3	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Lentils, chickpeas, gram	Broken	IS : 2813
4	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Lentils, chickpeas, gram	Damaged	IS : 2813
5	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Lentils, chickpeas, gram	Discoloured	IS : 2813
6	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Lentils, chickpeas, gram	Foreign Matter	IS : 2813
7	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Lentils, chickpeas, gram	Immature	IS : 2813
8	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Lentils, chickpeas, gram	Split	IS : 2813
9	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Maize	Damaged	ISO 19942
10	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Maize	Extraneous Matter	ISO 19942
11	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Maize	Grains Attached by Pests	ISO 19942
12	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Maize	Heat damaged grains	ISO 19942
13	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Maize	Other Food Grain	ISO 19942

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14	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Maize	Sprouted grain	ISO 19942
15	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Paddy, Rice, Rice Powder	Average length	ISO:7301
16	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Paddy, Rice, Rice Powder	Moisture content	ISO 712
17	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Rye, sorghum, Barley, Oats, Corn, Maize, Jawar, Bajra, Millet	Moisture content	ISO 6540
18	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Sesame, Soyabean, Mustard Seeds	Broken Kernels	IS 3579
19	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Sesame, Soyabean, Mustard seeds	Damaged and Weevilled	IS 3579
20	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Sesame, Soyabean, Mustard Seeds	Impurities	IS 3579
21	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Sesame, Soyabean, Mustard Seeds	Moisture	IS : 3579
22	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Sesame, Soyabean, Mustard Seeds	Shrivelled and immature	IS 3579
23	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Sesame, Soyabean, Mustard Seeds	Slightly damaged or Touched	IS 3579
24	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Sesame, Soyabean, Mustard Seeds	Split Kernels	IS 3579
25	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Wheat	Broken	IS : 2813
26	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Wheat	Damaged	IS : 2813
27	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Wheat	Discoloured	IS : 2813

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28	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Wheat	Foreign Matter	IS : 2813
29	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Wheat	Immature	IS : 2813
30	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Wheat	Insects Damaged	IS : 2813
31	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Wheat, Daliya, Wheat Powder	Moisture content	ISO 712
32	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	White Raw Rice, Parboiled Rice	Broken (3/4 of size)	IS : 2813
33	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	White Raw Rice, Parboiled Rice	Chakly grains	IS : 2813
34	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	White Raw Rice, Parboiled Rice	Damaged	IS : 2813
35	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	White Raw Rice, Parboiled Rice	Discoloured	IS : 2813
36	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	White Raw Rice, Parboiled Rice	Foreign Matter	IS : 2813
37	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	White Raw Rice, Parboiled Rice	Heat damaged grains	ISO : 7301
38	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	White Raw Rice, Parboiled Rice	Insect damage	IS : 2813
39	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	White Raw Rice, Parboiled Rice	Kernel with husk	IS : 2813
40	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	White Raw Rice, Parboiled Rice	Other Food Grains	IS : 2813
41	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	White Raw Rice, Parboiled Rice	Paddy	IS : 7301

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42	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	White Raw Rice, Parboiled Rice	Red Kernel	IS : 2813
43	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	White Raw Rice, Parboiled Rice	Shrivelled or immature	IS : 2813
44	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	White Raw Rice, Parboiled Rice	Slightly damaged or Touched	IS : 2813
45	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	White Raw Rice, Parboiled Rice	Varietal admixture	IS : 2813
46	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	White Raw Rice, Parboiled Rice	Weevilled grains	IS : 2813
47	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	White raw rice, Parboiled rice	Whole kernel	ISO7301
48	CHEMICAL- METALS & ALLOYS	Ferro Manganese	Carbon	IS: 1559 (Section - III)
49	CHEMICAL- METALS & ALLOYS	Ferro Manganese	Manganese	IS: 1559 (Section - III)
50	CHEMICAL- METALS & ALLOYS	Ferro Manganese	Manganese	ISO 4159
51	CHEMICAL- METALS & ALLOYS	Ferro Manganese	Phosphorus	IS: 1559(Section - III)
52	CHEMICAL- METALS & ALLOYS	Ferro Manganese	Silicon	IS: 1559(Section - III)
53	CHEMICAL- METALS & ALLOYS	Ferro Manganese	Sulphur	IS: 1559 (Section - III)
54	CHEMICAL- METALS & ALLOYS	Ferro Silicon	Aluminium	IS: 1559 (Section - I)
55	CHEMICAL- METALS & ALLOYS	Ferro Silicon	Carbon	IS: 1559 (Section - I)
56	CHEMICAL- METALS & ALLOYS	Ferro Silicon	Phosphorus	IS: 1559 (Section - I)
57	CHEMICAL- METALS & ALLOYS	Ferro Silicon	Silicon	IS: 1559 (Section - I)
58	CHEMICAL- METALS & ALLOYS	Ferro Silicon	Sulphur	IS: 1559 (Section - I)

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59	CHEMICAL- METALS & ALLOYS	High Carbon Ferro Chromium	Carbon	IS: 1559 (Section - II)
60	CHEMICAL- METALS & ALLOYS	High Carbon Ferro Chromium	Chromium	IS : 13452 (Part – 5)
61	CHEMICAL- METALS & ALLOYS	High Carbon Ferro Chromium	Phosphorus	IS: 1559 (Section - II)
62	CHEMICAL- METALS & ALLOYS	High Carbon Ferro Chromium	Silicon	IS : 13452 (Part – 1)
63	CHEMICAL- METALS & ALLOYS	High Carbon Ferro Chromium	Sulphur	IS: 1559 (Section - II)
64	CHEMICAL- METALS & ALLOYS	Silico Manganese	Carbon	IS: 1559 (Section - IV)
65	CHEMICAL- METALS & ALLOYS	Silico Manganese	Manganese	IS: 1559 (Section - IV)
66	CHEMICAL- METALS & ALLOYS	Silico Manganese	Manganese	ISO 4159
67	CHEMICAL- METALS & ALLOYS	Silico Manganese	Phosphorus	IS: 1559 (Section - IV)
68	CHEMICAL- METALS & ALLOYS	Silico Manganese	Silicon	IS: 1559 (Section - IV)
69	CHEMICAL- METALS & ALLOYS	Silico Manganese	Silicon	IS: 1559 (Section - IV)
70	CHEMICAL- METALS & ALLOYS	Silico Manganese	Sulphur	IS: 1559 (Section - IV)
71	CHEMICAL- ORES & MINERALS	Iron Ore(Lumps/Fines/Pellets)	Alumina(Al2O3)	IS 1493 (Part 1)
72	CHEMICAL- ORES & MINERALS	Iron Ore(Lumps/Fines/Pellets)	Flow moisture Point (FMP)	IMSBC code Appendix II (Flow Table method)
73	CHEMICAL- ORES & MINERALS	Iron Ore(Lumps/Fines/Pellets)	Loss of Ignition	IBM(Addenda 2 page no 292)
74	CHEMICAL- ORES & MINERALS	Iron Ore(Lumps/Fines/Pellets)	Moisture	IS 1493 (Part 1)
75	CHEMICAL- ORES & MINERALS	Iron Ore(Lumps/Fines/Pellets)	Phosphorus(P)	IS 1493 (Part 1)
76	CHEMICAL- ORES & MINERALS	Iron Ore(Lumps/Fines/Pellets)	Silica(SiO2)	IS 1493 (Part 1)
77	CHEMICAL- ORES & MINERALS	Iron Ore(Lumps/Fines/Pellets)	Total Iron(Fe)	IS 1493 (Part 1)

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78	CHEMICAL- ORES & MINERALS	Iron Ore(Lumps/Fines/Pellets)	Transportable moisture Limit (TML)	IMSBC code Appendix II (Flow Table method)
79	CHEMICAL- ORES & MINERALS	Manganese Ore	Alumina (Al2O3)	IS:1473
80	CHEMICAL- ORES & MINERALS	manganese Ore	Iron (Fe)	IS:1473
81	CHEMICAL- ORES & MINERALS	Manganese Ore	Manganese	IS:1473
82	CHEMICAL- ORES & MINERALS	Manganese Ore	Moisture	IS:1473
83	CHEMICAL- ORES & MINERALS	manganese Ore	Phosphorus (P)	IS:1473
84	CHEMICAL- ORES & MINERALS	Manganese Ore	Silica as (SiO2)	IS:1473
85	CHEMICAL- SOLID FUELS	Coal	Ash	ASTM D 3174
86	CHEMICAL- SOLID FUELS	Coal	Ash	IS 1350 (Part 1)
87	CHEMICAL- SOLID FUELS	Coal	Crucible Swelling Number (CSN)	IS 1353 part 1
88	CHEMICAL- SOLID FUELS	Coal	Fixed Carbon(by calculation)	ASTM D 3172
89	CHEMICAL- SOLID FUELS	Coal	Fixed Carbon(by calculation)	IS 1350 (Part 1)
90	CHEMICAL- SOLID FUELS	Coal	Gross Calorific Value	IS 1350 (Part 2)
91	CHEMICAL- SOLID FUELS	Coal	Inherent Moisture	IS 1350 (Part 1)
92	CHEMICAL- SOLID FUELS	coal	Phosphorus(P)	IS 1350 (Part 5)
93	CHEMICAL- SOLID FUELS	Coal	Proximate Analysis- Moisture	ASTM D 3173/3173M
94	CHEMICAL- SOLID FUELS	Coal	Sulphur(S)	IS 1350 (Part 3)
95	CHEMICAL- SOLID FUELS	coal	Total Moisture	ASTM D 3302
96	CHEMICAL- SOLID FUELS	coal	Total Moisture	IS 1350 (Part 1)
97	CHEMICAL- SOLID FUELS	Coal	Volatile Matter	ASTM D 3175
98	CHEMICAL- SOLID FUELS	Coal	Volatile Matter	IS 1350 (Part 1)
99	CHEMICAL- SOLID FUELS	Coke	Ash	ASTM D 3174
100	CHEMICAL- SOLID FUELS	Coke	Ash	IS 1350 (Part 1)
101	CHEMICAL- SOLID FUELS	Coke	Fixed Carbon	ASTM D 3172
102	CHEMICAL- SOLID FUELS	Coke	Fixed Carbon	IS 1350 (Part 1)
103	CHEMICAL- SOLID FUELS	Coke	Gross Calorific Value	IS 1350 (Part 2)

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104	CHEMICAL- SOLID FUELS	Coke	Inherent Moisture	IS 1350 (Part 1)
105	CHEMICAL- SOLID FUELS	Coke	Phosphorus(P)	IS 1350 (Part 5)
106	CHEMICAL- SOLID FUELS	Coke	Proximate Analysis, Moisture	ASTM D 3173/3173M
107	CHEMICAL- SOLID FUELS	COKE	Sulphur(S)	IS 1350 (Part 3)
108	CHEMICAL- SOLID FUELS	Coke	Total Moisture	IS 1350 (Part 1)
109	CHEMICAL- SOLID FUELS	Coke	Volatile Matter	ASTM D 3175
110	CHEMICAL- SOLID FUELS	Coke	Volatile Matter	IS 1350 (Part 1)