National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : ALEX STEWART INTERNATIONAL (INDIA) PRIVATE LIMITED, OFFICE NO. 6, 7, 8 & 9, 2ND FLOOR, PLOT NO. 588, WARD NO. 12/C, GANDHIDHAM, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6578 **Page No** 1 of 5

Validity 03/02/2023 to 02/02/2025 **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
LOCATION 1-OFFICE NO. 6, 7, 8 & 9, 2ND FLOOR, PLOT NO. 588, WARD NO. 12/C, GANDHIDHAM, GUJARAT, INDIA Permanent Facility				
1	CHEMICAL- ORES & MINERALS	Iron Ore	Alumina	IS 1493 (Part 1)
2	CHEMICAL- ORES & MINERALS	Iron Ore	Loss on Ignition	ISO 11536
3	CHEMICAL- ORES & MINERALS	Iron Ore	Moisture	IMSBC Code, Apdx - 2
4	CHEMICAL- ORES & MINERALS	Iron Ore	Moisture	IS 1493 (Part 1)
5	CHEMICAL- ORES & MINERALS	Iron Ore	Phosphorus	IS 1493
6	CHEMICAL- ORES & MINERALS	Iron Ore	Silica	IS 1493 (Part 1)
7	CHEMICAL- ORES & MINERALS	Iron Ore	Sulphur	IS 1493
8	CHEMICAL- ORES & MINERALS	Iron Ore	Total Iron	IS 1493 (Part 1)
9	CHEMICAL- ORES & MINERALS	Limestone	Alumina as Al2O3	IS 1760 (Part 3)
10	CHEMICAL- ORES & MINERALS	Limestone	Calcium as CaO	IS 1760 (Part 3)
11	CHEMICAL- ORES & MINERALS	Limestone	Iron as Fe2O3	ASTM C-25
12	CHEMICAL- ORES & MINERALS	Limestone	Iron as Fe2O3	IS 1760 (Part 3)
13	CHEMICAL- ORES & MINERALS	Limestone	Loss On Ignition	IS 1760 (Part 1)
14	CHEMICAL- ORES & MINERALS	Limestone	Magnesium as MgO	IS 1760 (Part 3)
15	CHEMICAL- ORES & MINERALS	Limestone	Moisture	IS 2109
16	CHEMICAL- ORES & MINERALS	Limestone	Silica as SiO2	IS 1760 (Part 2)
17	CHEMICAL- SOLID FUELS	Coal	Ash	ASTM D3174-12
18	CHEMICAL- SOLID FUELS	Coal	Ash	IS 1350 (Part 1)
19	CHEMICAL- SOLID FUELS	Coal	Ash	ISO 1171

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Certificate Number TC-6578 **Page No** 2 of 5

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

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20	CHEMICAL- SOLID FUELS	Coal	Crucible Swelling Number (CSN)	IS 1353 (Part 1)
21	CHEMICAL- SOLID FUELS	Coal	Crucible Swelling Number (CSN)	ISO 501
22	CHEMICAL- SOLID FUELS	Coal	Fixed Carbon	ASTM D3172
23	CHEMICAL- SOLID FUELS	Coal	Fixed Carbon	IS 1350 (Part 1)
24	CHEMICAL- SOLID FUELS	Coal	Fixed Carbon	ISO 17246
25	CHEMICAL- SOLID FUELS	Coal	Gross Calorific Value	ASTM D5865 M-19
26	CHEMICAL- SOLID FUELS	Coal	Gross Calorific Value	IS 1350 (Part 2)
27	CHEMICAL- SOLID FUELS	Coal	Gross Calorific Value	ISO 1928
28	CHEMICAL- SOLID FUELS	Coal	Hardgrove Grindability Index	ASTM D409/D409 M -
29	CHEMICAL- SOLID FUELS	Coal	Hardgrove Grindability Index	IS 4433
30	CHEMICAL- SOLID FUELS	Coal	Hardgrove Grindability Index	ISO 5074
31	CHEMICAL- SOLID FUELS	Coal	Moisture in Analysis Sample	ASTM D3173/D3173 M
32	CHEMICAL- SOLID FUELS	Coal	Moisture in Analysis Sample (Air Dried Base)	IS 1350 (Part 1)
33	CHEMICAL- SOLID FUELS	Coal	Phosphorus	IS 1350 (Part 5)
34	CHEMICAL- SOLID FUELS	Coal	Total Moisture	ASTM D2961/D2961 M -
35	CHEMICAL- SOLID FUELS	Coal	Total Moisture	ASTM D3302/D3302 M
36	CHEMICAL- SOLID FUELS	Coal	Total Moisture	IS 1350 (Part 1)
37	CHEMICAL- SOLID FUELS	Coal	Total Moisture	ISO 589
38	CHEMICAL- SOLID FUELS	Coal	Total Sulphur	ASIIPL/GIM/IHM/CC-01
39	CHEMICAL- SOLID FUELS	Coal	Total Sulphur	ASTM D4239-18e1 (Method A)
40	CHEMICAL- SOLID FUELS	Coal	Total Sulphur	IS 1350 (Part 3)
41	CHEMICAL- SOLID FUELS	Coal	Total Sulphur	ISO 19579
42	CHEMICAL- SOLID FUELS	Coal	Total Sulphur	ISO 334
43	CHEMICAL- SOLID FUELS	Coal	Volatile Matter	ASTM D3175
44	CHEMICAL- SOLID FUELS	Coal	Volatile Matter	IS 1350 (Part 1)
45	CHEMICAL- SOLID FUELS	Coal	Volatile Matter	ISO 562
46	CHEMICAL- SOLID FUELS	Coal & Coke (Ash Composition)	Alumina	ASIIPL/GIM/IHM/CC-05
47	CHEMICAL- SOLID FUELS	Coal & Coke (Ash Composition)	Alumina	IS 1355
48	CHEMICAL- SOLID FUELS	Coal & Coke (Ash Composition)	Calcium Oxide	ASIIPL/GIM/IHM/CC-06

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6578 **Page No** 3 of 5

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

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49	CHEMICAL- SOLID FUELS	Coal & Coke (Ash Composition)	Calcium Oxide	IS 1355
50	CHEMICAL- SOLID FUELS	Coal & Coke (Ash Composition)	Ferric Oxide	ASIIPL/GIM/IHM/CC-04 (In-house Validated Method)
51	CHEMICAL- SOLID FUELS	Coal & Coke (Ash Composition)	Magnesium Oxide	ASIIPL/GIM/IHM/CC-07
52	CHEMICAL- SOLID FUELS	Coal & Coke (Ash Composition)	Magnesium Oxide	IS 1355
53	CHEMICAL- SOLID FUELS	Coal & Coke (Ash Composition)	Manganese Oxide	ASIIPL/GIM/IHM/CC-03 (In-house Validated Method)
54	CHEMICAL- SOLID FUELS	Coal & Coke (Ash Composition)	Manganese Oxide	IS 1355
55	CHEMICAL- SOLID FUELS	Coal & Coke (Ash Composition)	Phosphorus Pentoxide	IS 1355
56	CHEMICAL- SOLID FUELS	Coal & Coke (Ash Composition)	Potassium Oxide	IS 1355
57	CHEMICAL- SOLID FUELS	Coal & Coke (Ash Composition)	Potassium Oxide	IS 9497
58	CHEMICAL- SOLID FUELS	Coal & Coke (Ash Composition)	Silica	IS 1355
59	CHEMICAL- SOLID FUELS	Coal & Coke (Ash Composition)	Sodium Oxide	IS 1355
60	CHEMICAL- SOLID FUELS	Coal & Coke (Ash Composition)	Sodium Oxide	IS 9497
61	CHEMICAL- SOLID FUELS	Coal & Coke (Ash Composition)	Sulphur Trioxide	ASTM D 5016
62	CHEMICAL- SOLID FUELS	Coal & Coke (Ash Composition)	Sulphur Trioxide	IS 1355
63	CHEMICAL- SOLID FUELS	Coal & Coke (Ash Composition)	Titania	ASIIPL/GIM/IHM/CC-02 (In-house Validated Method)
64	CHEMICAL- SOLID FUELS	Coal & Coke (Ash Composition)	Titania	IS 1355
65	CHEMICAL- SOLID FUELS	Coke	Ash	ASTM D3174-12
66	CHEMICAL- SOLID FUELS	Coke	Ash	IS 1350 (Part 1)
67	CHEMICAL- SOLID FUELS	Coke	Ash	ISO 1171
68	CHEMICAL- SOLID FUELS	Coke	Fixed Carbon	ASTM D3172-13
69	CHEMICAL- SOLID FUELS	Coke	Fixed Carbon	IS 1350 (Part 1)
70	CHEMICAL- SOLID FUELS	Coke	Fixed Carbon	ISO 17246
71	CHEMICAL- SOLID FUELS	Coke	Gross Calorific Value	ASTM D5865 M-19
72	CHEMICAL- SOLID FUELS	Coke	Gross Calorific Value	IS 1350 (Part 2)
73	CHEMICAL- SOLID FUELS	Coke	Gross Calorific Value	ISO 1928
74	CHEMICAL- SOLID FUELS	Coke	Moisture	IS 1350 (Part 1)
75	CHEMICAL- SOLID FUELS	Coke	Moisture	ISO 687
76	CHEMICAL- SOLID FUELS	Coke	Moisture in Analysis Sample	ASTM D3173/D3173 M
77	CHEMICAL- SOLID FUELS	Coke	Phosphorus	IS 1350 (Part 5)

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6578 **Page No** 4 of 5

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78	CHEMICAL- SOLID FUELS	Coke	Total Moisture	IS 1350 (Part 1)
79	CHEMICAL- SOLID FUELS	Coke	Total Moisture	ISO 579
80	CHEMICAL- SOLID FUELS	Coke	Total Sulphur	ASTM D4239-18e1 (Method A)
81	CHEMICAL- SOLID FUELS	Coke	Total Sulphur	IS 1350 (Part 3)
82	CHEMICAL- SOLID FUELS	Coke	Total Sulphur	ISO 19579
83	CHEMICAL- SOLID FUELS	Coke	Total Sulphur	ISO 334
84	CHEMICAL- SOLID FUELS	Coke	Volatile Matter	ASTM D3175
85	CHEMICAL- SOLID FUELS	Coke	Volatile Matter	IS 1350 (Part 1)
86	CHEMICAL- SOLID FUELS	Coke	Volatile Matter	ISO 562
87	CHEMICAL- SOLID FUELS	Petroleum Coke	Ash	ASTM D4422
88	CHEMICAL- SOLID FUELS	Petroleum Coke	Ash	IS 1448 (P : 126)
89	CHEMICAL- SOLID FUELS	Petroleum Coke	Fixed Carbon	ASTM D3172
90	CHEMICAL- SOLID FUELS	Petroleum Coke	Fixed Carbon	IS 1350 (Part 1)
91	CHEMICAL- SOLID FUELS	Petroleum Coke	Gross Calorific Value	ASTM D5865M-19
92	CHEMICAL- SOLID FUELS	Petroleum Coke	Gross Calorific Value	IS 1350 (Part 2)
93	CHEMICAL- SOLID FUELS	Petroleum Coke	Moisture in Analysis Sample	ASTM D3173/D3173 M
94	CHEMICAL- SOLID FUELS	Petroleum Coke	Moisture in Analysis Sample	IS 1448 (P : 132)
95	CHEMICAL- SOLID FUELS	Petroleum Coke	Sulphur	ASTM D4239-18e1 (Method A)
96	CHEMICAL- SOLID FUELS	Petroleum Coke	Sulphur	IS 1448 (P : 33)
97	CHEMICAL- SOLID FUELS	Petroleum Coke	Total Moisture	ASTM D 4931-06
98	CHEMICAL- SOLID FUELS	Petroleum Coke	Volatile Matter	ASTM D 6374-12
99	CHEMICAL- SOLID FUELS	Petroleum Coke	Volatile Matter	IS 1448 (P : 134)
100	CHEMICAL- SOLID FUELS	Reactivity of Coke	Coke Reactivity Index (CRI)	ASTM D5341/D5341 M-19
101	CHEMICAL- SOLID FUELS	Reactivity of Coke	Coke Reactivity Index (CRI)	IS 4023
102	CHEMICAL- SOLID FUELS	Reactivity of Coke	Coke Reactivity Index (CRI)	ISO 18894
103	CHEMICAL- SOLID FUELS	Reactivity of Coke	Coke Strength after Reaction (CSR)	ASTM D5341/D5341 M-19
104	CHEMICAL- SOLID FUELS	Reactivity of Coke	Coke Strength after Reaction (CSR)	IS 4023
105	CHEMICAL- SOLID FUELS	Reactivity of Coke	Coke Strength after Reaction (CSR)	ISO 18894

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Certificate Number TC-6578 **Page No** 5 of 5

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LOCATION 2 - PLOT NO. 195, WARD NO. DC- 2, GANDHIDHAM, GUJARAT, INDIA Permanent Facility				
1	CHEMICAL- SOLID FUELS	Coke	MICUM (M10) (Mechanical Strength)	IS 1354
2	CHEMICAL- SOLID FUELS	Coke	MICUM (M10) Mechanical Strength	ISO 556
3	CHEMICAL- SOLID FUELS	Coke	MICUM (M40) (Mechanical Strength)	IS 1354
4	CHEMICAL- SOLID FUELS	Coke	MICUM (M40) Mechanical Strength	ISO 556