National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : BSL SPECTRO LAB & METALLURGICAL TESTING CENTRE, PLOT NO 263, SECTOR 24, FARIDABAD, HARYANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7728 **Page No** 1 of 6

Validity 27/08/2021 to 26/08/2023 **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
Permanent Facility				
1	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Chromium	ASTM E 1251
2	CHEMICAL- METALS & ALLOYS	Aluminium & Its alloys	Copper	ASTM E 1251
3	CHEMICAL- METALS & ALLOYS	Aluminium & Its alloys	Iron	ASTM E 1251
4	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Lead	ASTM E 1251
5	CHEMICAL- METALS & ALLOYS	Aluminium & Its alloys	Managesium	ASTM E 1251
6	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Manganese	ASTM E 1251
7	CHEMICAL- METALS & ALLOYS	Aluminium & Its alloys	Nickel	ASTM E 1251
8	CHEMICAL- METALS & ALLOYS	Aluminium & Its alloys	Silicon	ASTM E 1251
9	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Tin	ASTM E 1251
10	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Titanium	ASTM E 1251
11	CHEMICAL- METALS & ALLOYS	Aluminium & Its Alloys	Zinc	ASTM E 1251
12	CHEMICAL- METALS & ALLOYS	Cast Iron	Carbon	ASTM E 1999
13	CHEMICAL- METALS & ALLOYS	Cast Iron	Chromium	ASTM E 1999
14	CHEMICAL- METALS & ALLOYS	Cast Iron	Copper	ASTM E 1999
15	CHEMICAL- METALS & ALLOYS	Cast Iron	Magnessium	ASTM E 1999
16	CHEMICAL- METALS & ALLOYS	Cast Iron	Manganese	ASTM E 1999
17	CHEMICAL- METALS & ALLOYS	Cast Iron	Molybdenum	ASTM E 1999
18	CHEMICAL- METALS & ALLOYS	Cast Iron	Nickel	ASTM E 1999

SCOPE OF ACCREDITATION

Laboratory Name : BSL SPECTRO LAB & METALLURGICAL TESTING CENTRE, PLOT NO 263, SECTOR 24, FARIDABAD, HARYANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7728 **Page No** 2 of 6

Validity 27/08/2021 to 26/08/2023 **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
19	CHEMICAL- METALS & ALLOYS	Cast Iron	Phosphorous	ASTM E 1999
20	CHEMICAL- METALS & ALLOYS	Cast Iron	Silicon	ASTM E 1999
21	CHEMICAL- METALS & ALLOYS	Cast Iron	Sulphur	ASTM E 1999
22	CHEMICAL- METALS & ALLOYS	Cast Iron	Titanium	ASTM E 1999
23	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Aluminium	BS EN 15079
24	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Berylium	BS EN 15079
25	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Chromium	BS EN 15079
26	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Cobalt	BS EN 15079
27	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Iron	BS EN 15079
28	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Lead	BS EN 15079
29	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Manganese	BS EN 15079
30	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Nickel	BS EN 15079
31	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Phosphorous	BS EN 15079
32	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Silicon	BS EN 15079
33	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Sulphur	BS EN 15079
34	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Tin	BS EN 15079
35	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Zinc	BS EN 15079
36	CHEMICAL- METALS & ALLOYS	Low Alloy Steel & Tool Steel	Aluminium	ASTM E 415
37	CHEMICAL- METALS & ALLOYS	Low Alloy Steel & Tool Steel	Boron	ASTM E 415

SCOPE OF ACCREDITATION

Laboratory Name : BSL SPECTRO LAB & METALLURGICAL TESTING CENTRE, PLOT NO 263, SECTOR 24, FARIDABAD, HARYANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7728 **Page No** 3 of 6

Validity 27/08/2021 to 26/08/2023 **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
38	CHEMICAL- METALS & ALLOYS	Low Alloy Steel & Tool Steel	Carbon	ASTM E 415
39	CHEMICAL- METALS & ALLOYS	Low Alloy Steel & Tool Steel	Chromium	ASTM E 415
40	CHEMICAL- METALS & ALLOYS	Low Alloy Steel & Tool Steel	Cobalt	ASTM E 415
41	CHEMICAL- METALS & ALLOYS	Low Alloy Steel & Tool Steel	Copper	ASTM E 415
42	CHEMICAL- METALS & ALLOYS	Low Alloy Steel & Tool Steel	Manganese	ASTM E 415
43	CHEMICAL- METALS & ALLOYS	Low Alloy Steel & Tool Steel	Molybdenum	ASTM E 415
44	CHEMICAL- METALS & ALLOYS	Low Alloy Steel & Tool Steel	Nickel	ASTM E 415
45	CHEMICAL- METALS & ALLOYS	Low Alloy Steel & Tool Steel	Phosphorous	ASTM E 415
46	CHEMICAL- METALS & ALLOYS	Low Alloy Steel & Tool Steel	Silicon	ASTM E 415
47	CHEMICAL- METALS & ALLOYS	Low Alloy Steel & Tool Steel	Sulpher	ASTM E 415
48	CHEMICAL- METALS & ALLOYS	Low Alloy Steel & Tool Steel	Titanium	ASTM E 415
49	CHEMICAL- METALS & ALLOYS	Low Alloy Steel & Tool Steel	Vanadium	ASTM E 415
50	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon	ASTM E 1086
51	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium	ASTM E 1086
52	CHEMICAL- METALS & ALLOYS	Stainless Steel	Cobalt	ASTM E 1086
53	CHEMICAL- METALS & ALLOYS	Stainless Steel	Copper	ASTM E 1086
54	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese	ASTM E 1086
55	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum	ASTM E 1086
56	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel	ASTM E 1086

SCOPE OF ACCREDITATION

Laboratory Name : BSL SPECTRO LAB & METALLURGICAL TESTING CENTRE, PLOT NO 263, SECTOR 24, FARIDABAD, HARYANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7728 **Page No** 4 of 6

Validity 27/08/2021 to 26/08/2023 **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
57	CHEMICAL- METALS & ALLOYS	Stainless Steel	Niobium	ASTM E 1086
58	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorous	ASTM E 1086
59	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon	ASTM E 1086
60	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulphur	ASTM E 1086
61	CHEMICAL- METALS & ALLOYS	Stainless Steel	Titanium	ASTM E 1086
62	CHEMICAL- METALS & ALLOYS	Stainless Steel	Tungsten	ASTM E 1086
63	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material (Ferrous)	Bend Test	IS 1599
64	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic material (Ferrous & Nonferrous)	Vicker Hardness HV/10	IS 1501 Part 1
65	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic material (Ferrous)	Charpy Impact Test U Notch (Room Temp. to - 50 ºc)	IS:1757 Part 1
66	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic material (Ferrous)	Charpy Impact Test V notch (Room Temp. to - 50 ºc)	IS :1757 Part 1
67	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material (Ferrous/Nonferrous	Hardness Test: Rockwell C	IS 1586 Part 1
68	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material (Ferrous/Nonferrous)	Brinell Hardness Test	IS 1500 Part 1
69	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic material (Ferrous/Nonferrous)	Hardness Test: Rockwell B	IS 1586 Part 1
70	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material (Ferrous/Nonferrous)	Vicker Hardness HV/5	IS 1501 Part 1
71	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel	% Elongation	ASTM A 370

SCOPE OF ACCREDITATION

Laboratory Name : BSL SPECTRO LAB & METALLURGICAL TESTING CENTRE, PLOT NO 263, SECTOR 24, FARIDABAD, HARYANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7728 **Page No** 5 of 6

Validity 27/08/2021 to 26/08/2023 **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
72	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel	% Reduction Area	ASTM A 370
73	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel	0.2 % Proof Stress	ASTM A 370
74	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel	Brinell Hardness Test	ASTM A 370
75	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel	Hardness Test : Rockwell B	ASTM A 370
76	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel	Hardness Test : Rockwell C	ASTM A 370
77	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel	Salt Spray Test (Neutral)	IS 9844
78	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel	Tensile Strength	ASTM A 370
79	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel	Yield Strength	ASTM A 370
80	MECHANICAL-METALLOGRAPHY TEST	Aluminium & Its Alloys	Micro structure Examination	ASM Hand book Vol. 9
81	MECHANICAL-METALLOGRAPHY TEST	Steel	Case Depth	IS 6416
82	MECHANICAL-METALLOGRAPHY TEST	Steel	Determination of De-carburization depth in steel by Microscopic method.	IS 6396
83	MECHANICAL-METALLOGRAPHY TEST	Steel	Determination of Inclusion Rating	IS 4163
84	MECHANICAL-METALLOGRAPHY TEST	Steel	Estimation of grain size in steel by Microscopic method. (a) Ferrite grain size in low carbon steel up to 0.26% C. (b) Austenite grain size in stainless steel. (c) Austenite grain size in medium carbon steel.	IS 4748
85	MECHANICAL-METALLOGRAPHY TEST	Steel	Macro Examination	ASM Hand Book Volume 9

SCOPE OF ACCREDITATION

Laboratory Name :	BSL SPECTRO LAB & METALLURGICAL TESTING CENTRE, PLOT NO 263, SECTOR 24, FARIDABAD, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7728	**Page No**	6 of 6
Validity	27/08/2021 to 26/08/2023	**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
86	MECHANICAL-METALLOGRAPHY TEST	Steel, Grey Cast Iron, Ductile Iron,	Microstructure Examination	ASM Hand Book Vol.9