National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : TEST-WELL LABORATORIES, 119-122B, RAJRATNA SHOPPING CENTRE, AHMEDABAD, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-8115 **Page No** 1 of 7

Validity 08/12/2022 to 07/12/2024 **Last Amended on** 11/01/2023

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 1-119-122B, RAJRATNA SHOPPING CENTRE, AHMEDABAD, GUJARAT, INDIA Permanent Facility				
1	CHEMICAL- METALS & ALLOYS	Aluminium & Aluminium Alloys	Copper	ASTM E1251
2	CHEMICAL- METALS & ALLOYS	Aluminium & Aluminium Alloys	Chromium	ASTM E1251
3	CHEMICAL- METALS & ALLOYS	Aluminium & Aluminium Alloys	Iron	ASTM E1251
4	CHEMICAL- METALS & ALLOYS	Aluminium & Aluminium Alloys	Lead	ASTM E1251
5	CHEMICAL- METALS & ALLOYS	Aluminium & Aluminium Alloys	Magnesium	ASTM E1251
6	CHEMICAL- METALS & ALLOYS	Aluminium & Aluminium Alloys	Manganese	ASTM E1251
7	CHEMICAL- METALS & ALLOYS	Aluminium & Aluminium Alloys	Nickel	ASTM E1251
8	CHEMICAL- METALS & ALLOYS	Aluminium & Aluminium Alloys	Silicon	ASTM E1251
9	CHEMICAL- METALS & ALLOYS	Aluminium & Aluminium Alloys	Tin	ASTM E1251
10	CHEMICAL- METALS & ALLOYS	Aluminium & Aluminium Alloys	Titanium	ASTM E1251
11	CHEMICAL- METALS & ALLOYS	Aluminium & Aluminium Alloys	Zinc	ASTM E1251
12	CHEMICAL- METALS & ALLOYS	Copper & Copper Alloys	Aluminium	WI/TWL/OES/04, Issue No.02,Issue date 16/06/
13	CHEMICAL- METALS & ALLOYS	Copper & Copper Alloys	Antimony	WI/TWL/OES/04, Issue No.02,Issue date16/06
14	CHEMICAL- METALS & ALLOYS	Copper & Copper Alloys	Arsenic	WI/TWL/OES/04, Issue No.02,Issue date 16/06
15	CHEMICAL- METALS & ALLOYS	Copper & Copper Alloys	Bismuth	WI/TWL/OES/04, Issue No.02,Issue date 16/06
16	CHEMICAL- METALS & ALLOYS	Copper & Copper Alloys	Iron	WI/TWL/OES/04, Issue No.02,Issue date 16/06
17	CHEMICAL- METALS & ALLOYS	Copper & Copper Alloys	Lead	WI/TWL/OES/04, Issue No.02,Issue date16/06
18	CHEMICAL- METALS & ALLOYS	Copper & Copper Alloys	Manganese	WI/TWL/OES/04, Issue No.02,Issue date 16/06

SCOPE OF ACCREDITATION

Laboratory Name : TEST-WELL LABORATORIES, 119-122B, RAJRATNA SHOPPING CENTRE, AHMEDABAD, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-8115 **Page No** 2 of 7

Validity 08/12/2022 to 07/12/2024 **Last Amended on** 11/01/2023

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	Copper & Copper Alloys	Nickel	WI/TWL/OES/04, Issue No.02,Issue date 16/06
20	CHEMICAL- METALS & ALLOYS	Copper & Copper Alloys	Phosphorous	WI/TWL/OES/04, Issue No.02,Issue date 16/06
21	CHEMICAL- METALS & ALLOYS	Copper & Copper Alloys	Silicon	WI/TWL/OES/04, Issue No.02,date16/06
22	CHEMICAL- METALS & ALLOYS	Copper & Copper Alloys	Sulphur	WI/TWL/OES/04, Issue No.02,Issue date 16/06
23	CHEMICAL- METALS & ALLOYS	Copper & Copper Alloys	Tin	WI/TWL/OES/04, Issue No.02,Issue date 16/06
24	CHEMICAL- METALS & ALLOYS	Copper & Copper Alloys	Zinc	WI/TWL/OES/04, Issue No.02,Issue date16/06
25	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Aluminium	ASTM E 415
26	CHEMICAL- METALS & ALLOYS	Low alloy steel	Carbon	ASTM E415
27	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Chromium	ASTM E 415
28	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Copper	ASTM E 415
29	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Manganese	ASTM E 415
30	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Molybdenum	ASTM E 415
31	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Nickel	ASTM E 415
32	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Nitrogen	ASTM E 415
33	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Phosphorus	ASTM E 415
34	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Silicon	ASTM E 415
35	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Sulphur	ASTM E 415
36	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Vanadium	ASTM E 415
37	CHEMICAL- METALS & ALLOYS	Stainless steel	Carbon	ASTM E 1086

SCOPE OF ACCREDITATION

Laboratory Name : TEST-WELL LABORATORIES, 119-122B, RAJRATNA SHOPPING CENTRE, AHMEDABAD, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-8115 **Page No** 3 of 7

Validity 08/12/2022 to 07/12/2024 **Last Amended on** 11/01/2023

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	Stainless Steel	Chromium	ASTM E 1086
39	CHEMICAL- METALS & ALLOYS	Stainless Steel	Copper	ASTM E 1086
40	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese	ASTM E 1086
41	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum	ASTM E 1086
42	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel	ASTM E 1086
43	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphrous	ASTM E 1086
44	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon	ASTM E 1086
45	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulphur	ASTM E 1086
46	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Rockwell Hardness (HRC)	ASTM,E18
47	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials-Fasteners (Bolt, Screw & Nut)	Proof load	IS1608-Part-I

SCOPE OF ACCREDITATION

Laboratory Name : TEST-WELL LABORATORIES, 119-122B, RAJRATNA SHOPPING CENTRE, AHMEDABAD, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-8115 **Page No** 4 of 7

Validity 08/12/2022 to 07/12/2024 **Last Amended on** 11/01/2023

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 2 - SHOP NO 33, MADHURAM PARK, NATIONAL HIGHWAY, AHMEDABAD, GUJARAT, INDIA Permanent Facility				
1	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals weldment	Macro etch Test	QW183 & QW184 of ASME Section IX-
2	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	% Elongation	IS1608: Part1
3	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	% Reduction in area	IS1608: Part1
4	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	0.2% Proof Strength	IS1608: Part1
5	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	0.2% Proof Stress	ASTM,E8
6	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	0.2%Proof Stress	ASTM,A370
7	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Bend Test	ASTM,A370
8	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Bend Test	IS1599
9	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Brinell Hardness (HBW)	ASTM,E10
10	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Brinell Hardness (HBW)	IS1500-Part1
11	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Elongation	ASTM,A370
12	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Elongation	ASTM,E8
13	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Reduction in Area	ASTM, A370

SCOPE OF ACCREDITATION

Laboratory Name : TEST-WELL LABORATORIES, 119-122B, RAJRATNA SHOPPING CENTRE, AHMEDABAD, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-8115 **Page No** 5 of 7

Validity 08/12/2022 to 07/12/2024 **Last Amended on** 11/01/2023

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	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Reduction in Area	ASTM,E8
15	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Rockwell Hardness (HRC)	ASTM,E18
16	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Rockwell Hardness (HRC)	IS1586 - Part1
17	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Rockwell Hardness(HRBW)	ASTM,E18
18	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Rockwell Hardness(HRB)	IS1586 - Part1,
19	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Tensile Strength	ASTM,A370
20	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Tensile Strength	ASTM,E8
21	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Tensile Strength	IS1608: Part1-
22	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Yield Strength	ASTM,A370
23	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Yield Strength	ASTM,E8
24	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Yield Strength	IS1608: Part1
25	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials - C.S.Tubes & Pipes	Flattening	IS2328
26	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials HSD Bar / TMT Bar	Rebend Test	IS1786 -2008 Amd4
27	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials-C.S. Pipes	Flaring	ASTM,A530

SCOPE OF ACCREDITATION

Laboratory Name : TEST-WELL LABORATORIES, 119-122B, RAJRATNA SHOPPING CENTRE, AHMEDABAD, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-8115 **Page No** 6 of 7

Validity 08/12/2022 to 07/12/2024 **Last Amended on** 11/01/2023

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
28	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials-C.S. Pipes	Flattening	ASTM,A530
29	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials-C.S. Tubes	Flaring	ASTM,A450
30	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials-C.S. Tubes	Flattening	ASTM,A450
31	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials-Fasteners (Bolt, Screw & Nut)	Proof load	ASTM,A370
32	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials-Fasteners (Bolt, Screw & Nut)	Proof load	IS1608-Part-I
33	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials-S.S. Pipes	Flaring	ASTM,A999
34	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials-S.S. Pipes	Flattening	ASTM,A999
35	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials-S.S. Tubes	Flarring	ASTM,A1016
36	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials-S.S. Tubes	Flattening	ASTM,A1016
37	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld & Metals	Tensile Strength	QW150 of ASME Section IX-
38	MECHANICAL-MECHANICAL PROPERTIES OF METALS	weld in metal	Bend Test (Face bend, Root Bend, Side Bend)	QW-160, 161,162 of ASME Section lX:
39	MECHANICAL-METALLOGRAPHY TEST	Austenitic Stainless Steel	Grain Size	(Comparison Method) ASTM E112
40	MECHANICAL-METALLOGRAPHY TEST	Austenitic Stainless Steel	Intergranular Corrosion Test (Practice C)	ASTM, A262
41	MECHANICAL-METALLOGRAPHY TEST	Austenitic Stainless Steel	Intergranular Corrosion Test (Practice E)	ASTM, A262
42	MECHANICAL-METALLOGRAPHY TEST	Austenitic Stainless Steel	Intergranular Corrosion Tests (Practice A)	ASTM A262

SCOPE OF ACCREDITATION

Laboratory Name : TEST-WELL LABORATORIES, 119-122B, RAJRATNA SHOPPING CENTRE, AHMEDABAD, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-8115 **Page No** 7 of 7

Validity 08/12/2022 to 07/12/2024 **Last Amended on** 11/01/2023

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
43	MECHANICAL-METALLOGRAPHY TEST	Austenitic Stainless steel	Intragranular Corrosion Test (Practice B)	ASTM,A262
44	MECHANICAL-METALLOGRAPHY TEST	Austenitic Stainless Steel and Cast Iron	Micro-Structure	ASM Atlas of Microstructures, ASM Hand Book Volume 9
45	MECHANICAL-METALLOGRAPHY TEST	Cast Iron (FG and SG Iron)	Type, Size, Distribution, Nodularity, Nodule Count.	ASTM,A247
46	MECHANICAL-METALLOGRAPHY TEST	Cast Iron (FG and SG Iron)	Type, Size, Distribution, Nodularity, Nodule Count.	IS7754-1975RA