National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : BETZ ENGINEERING AND TECHNOLOGY ZONE, 21, DHARAKESWARI NAGAR 1ST STREET, SEMBAKAM, CHENNAI, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-4028 **Page No** 1 of 3

Validity 01/10/2021 to 30/09/2023 **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	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum,Aluminum alloys	% Elongation	AWS D1. 2
2	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum,Aluminum alloys	% Elongation	AWS D1.2
3	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum,Aluminum alloys	% Reduction in Area	AWS D1.2
4	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum,Aluminum alloys	Bend Test (Root, Face & Side)	AWS D 1.2
5	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum,Aluminum alloys	Yield Strength	AWS D1.2
6	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum,Aluminum alloys	Yield Strength	AWS D1.2
7	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel ,Steel alloys	% Elongation	ASTM A370
8	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel ,Steel alloys	% Elongation	ASTM E 8
9	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel ,Steel alloys	% Reduction in Area	ASTM A370
10	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel ,Steel alloys	% Reduction in Area	ASTM E 8
11	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel ,Steel alloys	Bend Test (Root, Face & Side)	API 1104
12	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel ,Steel alloys	Tensile strength	ASTM E 8
13	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel ,Steel alloys	Yield Strength	ASTM A370

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14	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel ,Steel alloys	Yield Strength	ASTM E8
15	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel,Steel alloys	% Elongation	API 1104
16	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel,Steel alloys	% Elongation	ASME SEC 9
17	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel,Steel alloys	% Reduction in Area	API 1104
18	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel,Steel alloys	% Reduction in Area	ASME SEC 9
19	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel,Steel alloys	Bend Test	ASTM A370
20	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel,Steel alloys	Bend Test (Root, Face & Side)	AWS D 1.1
21	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel,Steel alloys	Rockwell Hardness Test (A Scale)	ASTM E 18
22	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel,Steel alloys	Rockwell Hardness Test (A Scale) HRA	ASTM E 18
23	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel,Steel alloys	Rockwell Hardness Test (C Scale)	ASME section 2 Part A
24	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel,Steel alloys	Rockwell Hardness Test (C Scale) HRC	ASTM A370
25	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel,Steel alloys	Tensile Strength	API 1104
26	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel,Steel alloys	Tensile Strength	ASME SEC 9
27	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel,Steel alloys	Tensile Strength	ASTM A370

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28	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel,Steel alloys	Tensile Strength	AWS D1. 1
29	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel,Steel alloys	Tensile Strength	AWS D1.1
30	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel,Steel alloys	Yield Strength	API 1104
31	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel,Steel alloys	Yield Strength	ASME SEC 9
32	NON-DESTRUCTIVE-METALS & ALLOYS	Austenitic Steel Forgings	Flaw Detection	ASTM A745
33	NON-DESTRUCTIVE-METALS & ALLOYS	Ferromagnetic	MT - yoke, head shot, prod techniques- wet and dry - Florescent & Non Florescent	ASTM E709
34	NON-DESTRUCTIVE-METALS & ALLOYS	Ferromagnetic material	Fluorescent and Non Fluorescent , wet and dry, yoke , headshot and prod techniques	ASME SEC V Article 7 & Art 25 SE 709
35	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous and Non ferrous	PT - solvent removable- Visible & Fluorescent technique	ASME SEC V Art 6 & Art 24 SE 165 & ASTM E 165 18
36	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous Metals	Sorting of materials	ASTM E566
37	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous, Non-Ferrous	Thickness Measurement	ASME. E-797
38	NON-DESTRUCTIVE-METALS & ALLOYS	Nonferrous Metals	Sorting of Materials	ASTM E 703
39	NON-DESTRUCTIVE-METALS & ALLOYS	Power Piping	Flaw Detection	ASME B 31.1
40	NON-DESTRUCTIVE-METALS & ALLOYS	Process Piping	Flaw Detection	ASME B31.3
41	NON-DESTRUCTIVE-METALS & ALLOYS	Steel and Aluminium	Surface and Sub-surface Flaw Detection	ASTM E426
42	NON-DESTRUCTIVE-METALS & ALLOYS	Steel Forgings	Flaw Detection	ASTM A388
43	NON-DESTRUCTIVE-METALS & ALLOYS	welds, and fabricated parts and components	Flaw Detection	ASME SEC V Article 4,5 &23 SE 388, SE 609, SE 213