National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : QUALITY CONTROL LABORATORY OF JINDAL SAW LTD., NANAKAPAYA, MUNDRA, KACHCHH, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5831 **Page No** 1 of 4

Validity 11/02/2022 to 10/02/2024 **Last Amended on** 11/03/2022

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	Carbon steel	Aluminium	ASTM E 415
2	CHEMICAL- METALS & ALLOYS	Carbon steel	Boron	ASTM E 415
3	CHEMICAL- METALS & ALLOYS	Carbon steel	Calcium	ASTM E 415
4	CHEMICAL- METALS & ALLOYS	Carbon steel	Carbon	ASTM E 415
5	CHEMICAL- METALS & ALLOYS	Carbon steel	Chromium	ASTM E 415
6	CHEMICAL- METALS & ALLOYS	Carbon steel	Copper	ASTM E 415
7	CHEMICAL- METALS & ALLOYS	Carbon steel	Manganese	ASTM E 415
8	CHEMICAL- METALS & ALLOYS	Carbon Steel	Molybdenum	ASTM E 415
9	CHEMICAL- METALS & ALLOYS	Carbon steel	Nickel	ASTM E 415
10	CHEMICAL- METALS & ALLOYS	Carbon steel	Niobium	ASTM E 415
11	CHEMICAL- METALS & ALLOYS	Carbon steel	Nitrogen	ASTM E 415
12	CHEMICAL- METALS & ALLOYS	Carbon steel	Phosphorous	ASTM E 415
13	CHEMICAL- METALS & ALLOYS	Carbon steel	Silicon	ASTM E 415
14	CHEMICAL- METALS & ALLOYS	Carbon steel	Sulphur	ASTM E 415
15	CHEMICAL- METALS & ALLOYS	Carbon steel	Titanium	ASTM E 415
16	CHEMICAL- METALS & ALLOYS	Carbon steel	Vanadium	ASTM E 415
17	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous material, alloys & products / welds & welded specimens	Vickers hardness Test (HV 30)	ISO 6507-1

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18	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous material, alloys & products / welds & welded specimens	Vickers Hardness Test (HV 5)	ISO 6507-1
19	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous material,alloys & products/ welds & welded test specimens	Charpy Impact Test (+30°C to -70°C)	ASTM E 23
20	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials , alloys & products / welds & welded test specimens	Vickers Hardness Test (HV5)	ASTM E 92
21	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials , alloys & products/ welds & welded test specimens	Charpy Impact Test (+30°C to -70°C)	ASTM A 370
22	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products / Welds & Welded Specimens	Vickers Hardness Test (HV0.5)	ASTM E 384
23	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products / welds & welded specimens	Vickers Hardness Test (HV10)	ISO 6507-1
24	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products / welds & welded test specimens	Guided Bend test	ASTM A 370
25	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products / welds & welded test specimens	CTOD Test (Critical CTOD, +30°C to -70°C)	ASTM E 1820
26	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products / welds & welded test specimens	CTOD Test (Critical CTOD, +30°C to -70°C)	ISO12135
27	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products / welds & welded test specimens	Drop Weight Tear Test (+30°C to -70°C)	API RP 5L3
28	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products / Welds & welded test specimens	Tensile Test: % Elongation	ASTM A 370
29	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products / welds & welded test specimens	Tensile Test: % Elongation	ASTM E 8
30	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products / welds & welded test specimens	Vickers Hardness Test (HV0.1)	ASTM E 384
31	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products / welds & welded test specimens	Vickers Hardness Test (HV1)	ASTM E 384

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32	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products / welds & welded test specimens	Vickers Hardness Test (HV10)	ASTM E 92
33	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products/ weld & welded test specimens	Tensile Test: Ultimate Tensile Strength	ASTM E 8
34	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products/ welded test specimens	Vickers Hardness Test (HV30)	ASTM E 92
35	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys& products/welds & welded test specimens	Tensile Test: Yield Strength@0.5% EUL	ASTME 8
36	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys, & products / welds & welded test specimens	CTOD Test (Critical CTOD, +30°C to -70°C)	BS7448-1
37	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials,allows & products /welds & welded test specimens	Tensile Test: Ultimate Tensile Strength	ASTM A 370
38	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials,alloys & products / Welds & welded test specimens	Tensile Test: Yield Strength@0.5%EUL	ASTM A 370
39	MECHANICAL-METALLOGRAPHY TEST	Ferrous material alloys & products / welds & welded specimens	Macro Analysis of Pipe Weld by Visual Examination	API Spec 5L-46 Edition
40	MECHANICAL-METALLOGRAPHY TEST	Ferrous material alloys & products welds & welded test specimens	Macro Analysis of Pipe Weld by Visual Examination	ASTM E 340
41	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials alloys & Products / welds & welded specimens	Microscopic Examination (Grain Size Number - Comparison Method)	ASTM E 112
42	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials alloys & products / welds & welded test specimens	Full Ring Ovalization - CAPSIS Test	OTI 95635
43	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials alloys & products / welds & welded test specimens	Micro Examination (Polishing of Specimen)	ASTM E 3
44	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials alloys & products / welds & welded test specimens	Sulfide Stress Cracking (SSC) (Test Solution preparation and Control)	NACE TM 0177
45	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials alloys & products / welds & welded test specimens	Sulfide Stress Cracking (SSC) Four Point Bend Test	ASTM G-39
46	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials alloys & products / welds & welded test specimens	Sulfide Stress Cracking (SSC) Method-A-NACE Standard Tensile Test	NACE TM 0177

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47	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials alloys & products/ welds &welded test specimens	Full Ring Ovalization - CAPSIS Test	BS8701
48	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials, alloys & products / Welds & welded Specimen	Micro Examination (Etching of Specimen)	ASTM E 407
49	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials, alloys & products / welds & welded test specimens	Hydrogen Induced Cracking Test (HIC)	NACE TM 0284
50	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials, alloys & products/ welds &welded test specimens	Sulfide Stress Cracking (SSC)-Four Point Bend Test	NACE TM 0316