National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : CHW FORGE TESTING LABORATORY, ACHHEJA, P.O. DUJANA, GT ROAD, PHASE II, GREATER NOIDA, GAUTAM BUDDHA NAGAR, UTTAR PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6354 **Page No** 1 of 3

Validity 24/09/2021 to 23/09/2023 **Last Amended on** 17/11/2021

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	FERROUS	BEND TEST	ASTM E290
2	MECHANICAL-MECHANICAL PROPERTIES OF METALS	FERROUS	BRINELL HARDNESS TEST	ASTM A370 & ASTM E10
3	MECHANICAL-MECHANICAL PROPERTIES OF METALS	FERROUS	CHARPY IMPACT TEST (At Room Temperature to Minus 101°Centegrade)	ASTM A370, ASTM E23
4	MECHANICAL-MECHANICAL PROPERTIES OF METALS	FERROUS	CHARPY IMPACT TEST (At Room Temperature to Minus 101°Centegrade)	ISO 148-1
5	MECHANICAL-MECHANICAL PROPERTIES OF METALS	FERROUS & NON FERROUS	0.2% PROOF STRENGTH	ASTM A370, ASTM E8
6	MECHANICAL-MECHANICAL PROPERTIES OF METALS	FERROUS & NON FERROUS	0.2% PROOF STRENGTH	ISO 6892-1
7	MECHANICAL-MECHANICAL PROPERTIES OF METALS	FERROUS & NON FERROUS	ELONGATION	ASTM A370, ASTM E8
8	MECHANICAL-MECHANICAL PROPERTIES OF METALS	FERROUS & NON FERROUS	ELONGATION	ISO 6892-1
9	MECHANICAL-MECHANICAL PROPERTIES OF METALS	FERROUS & NON FERROUS	REDUCTION OF AREA	ASTM A370, ASTM E8
10	MECHANICAL-MECHANICAL PROPERTIES OF METALS	FERROUS & NON FERROUS	REDUCTION OF AREA	ISO 6892-1
11	MECHANICAL-MECHANICAL PROPERTIES OF METALS	FERROUS & NON FERROUS	ULTIMATE TENSILE STRENGTH	ASTM E8
12	MECHANICAL-MECHANICAL PROPERTIES OF METALS	FERROUS & NON FERROUS	ULTIMATE TENSILE STRENGTH	ISO 6892-1
13	MECHANICAL-MECHANICAL PROPERTIES OF METALS	FERROUS & NON FERROUS	ULTIMATE TENSILE STRENGTH	ASTM A370

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14	MECHANICAL-MECHANICAL PROPERTIES OF METALS	FERROUS METALS	BRINELL HARDNESS TEST	ASTM E10
15	MECHANICAL-MECHANICAL PROPERTIES OF METALS	NON FERROUS	0.2% PROOF STRENGTH	ASTM E8
16	MECHANICAL-MECHANICAL PROPERTIES OF METALS	NON FERROUS	ELONGATION	ASTM E8
17	MECHANICAL-MECHANICAL PROPERTIES OF METALS	NON FERROUS	ULTIMATE TENSILE STRENGTH	ASTM E8
18	MECHANICAL-METALLOGRAPHY TEST	AUSTENITIC STAINLESS STEEL	INTER GRANULAR CORROSION TEST PRACTICE A	ASTM A262
19	MECHANICAL-METALLOGRAPHY TEST	AUSTENITIC STAINLESS STEEL	INTER GRANULAR CORROSION TEST PRACTICE B	ASTM A262
20	MECHANICAL-METALLOGRAPHY TEST	AUSTENITIC STAINLESS STEEL	INTER GRANULAR CORROSION TEST PRACTICE C	ASTM A262
21	MECHANICAL-METALLOGRAPHY TEST	AUSTENITIC STAINLESS STEEL	INTER GRANULAR CORROSION TEST PRACTICE E	ASTM A262
22	MECHANICAL-METALLOGRAPHY TEST	DUPLEX STAINLESS STEEL	DETECTING DETRIMENTAL INTERMETALLIC PHASE, METHOD A	ASTM A923
23	MECHANICAL-METALLOGRAPHY TEST	DUPLEX STAINLESS STEEL	DETECTING DETRIMENTAL INTERMETALLIC PHASE, METHOD B	ASTM A923
24	MECHANICAL-METALLOGRAPHY TEST	DUPLEX STAINLESS STEEL	DETECTING DETRIMENTAL INTERMETALLIC PHASE, METHOD C	ASTM A923
25	MECHANICAL-METALLOGRAPHY TEST	DUPLEX STAINLESS STEEL	PITTING CORROSION TEST, METHOD A	ASTM G48
26	MECHANICAL-METALLOGRAPHY TEST	FERROUS	DETERMINATION OF INCLUSION RATING METHOD A (Worst Field)	ASTM E45
27	MECHANICAL-METALLOGRAPHY TEST	FERROUS	MACROSTRUSTURE ANALYSIS	ASTM E381
28	MECHANICAL-METALLOGRAPHY TEST	FERROUS	Volume Fraction By Point Count	ASTM E562

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29	MECHANICAL-METALLOGRAPHY TEST	FERROUS & NON FERROUS	ESTIMATION OF AVERAGE GRAIN SIZE BY COMPARISION METHOD	ASTM E112
30	MECHANICAL-METALLOGRAPHY TEST	FERROUS & NON FERROUS	MICROSTRUCTURE ANALYSIS	ASM Vol. handbook 9.
31	MECHANICAL-METALLOGRAPHY TEST	NON FERROUS	MACROSTRUCTURE ANALYSIS	ASM Vol.9/ASTM E340