National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : ARCVAC FORGECAST PRIVATE LIMITED, DURGAPUR EXPRESS WAY, HOOGHLY, WEST BENGAL, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5977 **Page No** 1 of 3

Validity 24/06/2021 to 23/06/2023 **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	Carbon and alloy steel	Carbon	ASTM E1019
2	CHEMICAL- METALS & ALLOYS	Carbon and alloy steel	Sulphur	ASTM E 1019
3	CHEMICAL- METALS & ALLOYS	Plain Carbon and Low Alloy Steel	Aluminum (Al)	ASTM E415
4	CHEMICAL- METALS & ALLOYS	Plain Carbon and Low Alloy Steel	Arsenic (As)	ASTM E415
5	CHEMICAL- METALS & ALLOYS	Plain Carbon and Low Alloy Steel	Carbon (C)	ASTM E415
6	CHEMICAL- METALS & ALLOYS	Plain Carbon and Low Alloy Steel	Chromium (Cr)	ASTM E415
7	CHEMICAL- METALS & ALLOYS	Plain Carbon and Low Alloy Steel	Cobalt (Co)	ASTM E415
8	CHEMICAL- METALS & ALLOYS	Plain Carbon and Low Alloy Steel	Manganese (Mn)	ASTM E415
9	CHEMICAL- METALS & ALLOYS	Plain Carbon and Low Alloy Steel	Molybdenum (Mo)	ASTM E415
10	CHEMICAL- METALS & ALLOYS	Plain Carbon and Low Alloy Steel	Nickel (Ni)	ASTM E415
11	CHEMICAL- METALS & ALLOYS	Plain Carbon and Low Alloy Steel	Niobium (Nb)	ASTM E415
12	CHEMICAL- METALS & ALLOYS	Plain Carbon and Low Alloy Steel	Nitrogen (N)	ASTM E415
13	CHEMICAL- METALS & ALLOYS	Plain Carbon and Low Alloy Steel	Phosphorus (P)	ASTM E415
14	CHEMICAL- METALS & ALLOYS	Plain Carbon and Low Alloy Steel	Silicon (Si)	ASTM E415
15	CHEMICAL- METALS & ALLOYS	Plain Carbon and Low Alloy Steel	Sulphur (S)	ASTM E415
16	CHEMICAL- METALS & ALLOYS	Plain Carbon and Low Alloy Steel	Tin (Sn)	ASTM E415
17	CHEMICAL- METALS & ALLOYS	Plain Carbon and Low Alloy Steel	Titanium (Ti)	ASTM E415
18	CHEMICAL- METALS & ALLOYS	Plain Carbon and Low Alloy Steel	Vanadium (V)	ASTM E415

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19	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon (C)	IS 9879
20	CHEMICAL- METALS & ALLOYS	Stainless steel	Chromium (Cr)	IS 9879
21	CHEMICAL- METALS & ALLOYS	Stainless steel	Copper (Cu)	IS 9879
22	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese (Mn)	IS 9879
23	CHEMICAL- METALS & ALLOYS	Stainless steel	Molybdenum (Mo)	IS 9879
24	CHEMICAL- METALS & ALLOYS	Stainless steel	Nickel (Ni)	IS 9879
25	CHEMICAL- METALS & ALLOYS	Stainless steel	Phosphorus (P)	IS 9879
26	CHEMICAL- METALS & ALLOYS	Stainless steel	Silicon (Si)	IS 9879
27	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulphur (S)	IS 9879
28	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous	Reduction Area	IS 1608-1: 2018,ASTM A370-2018, ISO 6892-1
29	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Material	Elongationl	IS 1608-1: 2018, ASTM A 370: 2018, ISO 6892-1
30	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Material	Rockwell Hardness Test HRC	IS 1586-1: 2018, ASTM A370-2018, ASTM E18
31	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous material	Tensile Strength	IS 1608-1: 2018, ISO 6892-1: 2016,ASTM A370
32	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Bend Test	IS 1599: 2012, ASTM A370-2018, ASTM E190-2014, ASTM E290
33	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous materials	Charpy Impact Test (U and V notch) (35 to -45ºC), KV2.	IS 1757-1: 2014, ISO 148-1
34	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous materials	IZOD IMPACT TEST	IS1598

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35	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Yield Stress	IS 1608-1: 2018, ASTM A370-2018, ISO 6892-1
36	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	0.2 % proof stress	IS 1608-1 2018, ASTM A 370:2018, ISO 6892-1
37	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous meterials	Brinell Hardness Test (HBW)	IS 1500-1: 2013, ISO 6506-1: 2014, ASTM A370: 2018, ASTM E10
38	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials	Examination of Grain Size by comparison method	ASTM E112-2013, IS 4748
39	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials	Inclusion Rating by comparison method	ASTM E45-2018, ISO 4967-2013, IS 4163
40	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials	Macrostructure Examination	ASTM E381-2017, IS 13015
41	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials	Microstructure Examination	ASTM E3-2011, ASTM E407-2007, ASM Hand Book Vol 9