



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

RAMKRISHNA FORGINGS LIMITED- LABORATORY, PLOT NO. M6, PHASE VI, GAMAHRIA, SARAIKELA
KHARSAWAN, JAMSHEDPUR, JHARKHAND, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

TC-14948

Page No

1 of 4

Validity

23/11/2024 to 22/11/2028

Last Amended on

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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 Testing				
1	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steel	Aluminium	ASTM E415
2	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steel	Aluminium	IS 8811
3	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steel	Boron	IS 8811
4	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steel	Carbon	IS 8811
5	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steel	Chromium	ASTM E415
6	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steel	Chromium	IS 8811
7	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steel	Copper	IS 8811
8	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steel	Manganese	IS 8811
9	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steel	Molybdenum	IS 8811
10	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steel	Nickel	IS 8811
11	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steel	Phosphorus	IS 8811
12	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steel	Silicon	IS 8811
13	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steel	Sulphur	IS 8811
14	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steel	Vanadium	IS 8811
15	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steel	Vanadium	IS 8811
16	CHEMICAL- METALS & ALLOYS	Plain carbon and low alloy steel	Aluminium	ASTM E415



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17	CHEMICAL- METALS & ALLOYS	Plain carbon and Low alloy steel	Carbon	ASTME415
18	CHEMICAL- METALS & ALLOYS	Plain carbon and low alloy steel	Copper	ASTM E415
19	CHEMICAL- METALS & ALLOYS	Plain carbon and Low Alloy Steel	Manganese	ASTM E415
20	CHEMICAL- METALS & ALLOYS	Plain carbon and low alloy steel	Molybdenum	ASTM E415
21	CHEMICAL- METALS & ALLOYS	Plain Carbon and Low alloy steel	Nickel	ASTM E415
22	CHEMICAL- METALS & ALLOYS	Plain carbon and low alloy steel	Phosphorus	ASTM E415
23	CHEMICAL- METALS & ALLOYS	Plain carbon and Low Alloy Steel	Silicon	ASTM E415
24	CHEMICAL- METALS & ALLOYS	Plain carbon and Low Alloy Steel	Sulphur	ASTM E415
25	CHEMICAL- METALS & ALLOYS	Plain carbon and Low alloy steel	Vanadium	ASTM E415
26	CHEMICAL- METALS & ALLOYS	Plain carbon and alloy steel	Boron	ASTM E415
27	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Jominy Hardenability Test	IS 3848 -1981
28	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	% Elongation	ASTM A370
29	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	% Elongation	IS 1608 part1



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30	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	% Reduction in Area	ASTM A370
31	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	% Reduction in Area	IS 1608 part1
32	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	0.2% Proof Strength	ASTM A370
33	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Bend Test (mandrel size 42 mm)	IS 1599
34	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Brinell Hardness (10 mm /3000 Kgs & 5mm /750 Kgs)	IS1500 part1
35	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Brinell Hardness Testing (5/750 and 10/3000)	IS 1500 Part -I
36	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Charpy Impact Test (V-notch) @RT to -80 Deg. C	IS 1757 part1
37	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Izod Impact Test @ RT	IS 1598
38	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Jominy Hardenability Test	IS 3848



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39	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Rockwell Hardness (HRB)	IS1586 part1
40	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Rockwell Hardness (HRC)	IS1586 part1
41	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Ultimate Tensile Strength	ASTM A 370
42	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Ultimate Tensile Strength	ASTM A370 part1
43	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Ultimate Tensile Strength	IS 1608 part1
44	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Ultimate Tensile Strength	IS1608 part1
45	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Yield Strength	ASTM 370
46	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Yield Strength	IS 1608 part1