National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : RAIL COACH FACTORY, METALLURGICAL & CHEMICAL LABORATORY, RAIL COACH FACTORY, KAPURTHALA, PUNJAB, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7716 **Page No** 1 of 3

Validity 16/08/2021 to 15/08/2023 **Last Amended on** 02/09/2021

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	CHEMICAL- METALS & ALLOYS	ALUMINIUM & ITS ALLOYS	CHROMIUM	ASTM E 1251
2	CHEMICAL- METALS & ALLOYS	ALUMINIUM & ITS ALLOYS	COPPER	ASTM E 1251
3	CHEMICAL- METALS & ALLOYS	ALUMINIUM & ITS ALLOYS	IRON	ASTM E 1251
4	CHEMICAL- METALS & ALLOYS	ALUMINIUM & ITS ALLOYS	LEAD	ASTM E 1251
5	CHEMICAL- METALS & ALLOYS	ALUMINIUM & ITS ALLOYS	MAGNESIUM	ASTM E 1251
6	CHEMICAL- METALS & ALLOYS	ALUMINIUM & ITS ALLOYS	MANGANESE	ASTM E 1251
7	CHEMICAL- METALS & ALLOYS	ALUMINIUM & ITS ALLOYS	SILICON	ASTM E 1251
8	CHEMICAL- METALS & ALLOYS	ALUMINIUM & ITS ALLOYS	TIN	ASTM E 1251
9	CHEMICAL- METALS & ALLOYS	ALUMINIUM & ITS ALLOYS	TITANIUM	ASTM E 1251
10	CHEMICAL- METALS & ALLOYS	ALUMINIUM & ITS ALLOYS	ZINC	ASTM E 1251
11	CHEMICAL- METALS & ALLOYS	COPPER & ITS ALLOYS	ALUMINIUM	BS EN 15079
12	CHEMICAL- METALS & ALLOYS	COPPER & ITS ALLOYS	ANTIMONY	BS EN 15079
13	CHEMICAL- METALS & ALLOYS	COPPER & ITS ALLOYS	ARSENIC	BS EN 15079
14	CHEMICAL- METALS & ALLOYS	COPPER & ITS ALLOYS	BERYLLIUM	BS EN 15079
15	CHEMICAL- METALS & ALLOYS	COPPER & ITS ALLOYS	CHROMIUM	BS EN 15079
16	CHEMICAL- METALS & ALLOYS	COPPER & ITS ALLOYS	COBALT	BS EN 15079
17	CHEMICAL- METALS & ALLOYS	COPPER & ITS ALLOYS	IRON	BS EN 15079
18	CHEMICAL- METALS & ALLOYS	COPPER & ITS ALLOYS	LEAD	BS EN 15079

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19	CHEMICAL- METALS & ALLOYS	COPPER & ITS ALLOYS	MAGNESIUM	BS EN 15079
20	CHEMICAL- METALS & ALLOYS	COPPER & ITS ALLOYS	MANGANESE	BS EN 15079
21	CHEMICAL- METALS & ALLOYS	COPPER & ITS ALLOYS	NICKEL	BS EN 15079
22	CHEMICAL- METALS & ALLOYS	COPPER & ITS ALLOYS	PHOSPHOROUS	BS EN 15079
23	CHEMICAL- METALS & ALLOYS	COPPER & ITS ALLOYS	SILICON	BS EN 15079
24	CHEMICAL- METALS & ALLOYS	COPPER & ITS ALLOYS	TIN	BS EN 15079
25	CHEMICAL- METALS & ALLOYS	COPPER & ITS ALLOYS	ZINC	BS EN 15079
26	CHEMICAL- METALS & ALLOYS	PLAIN CARBON STEEL/ LOW ALLOY STEEL	ALUMINIUM	ASTM E 415
27	CHEMICAL- METALS & ALLOYS	PLAIN CARBON STEEL/ LOW ALLOY STEEL	BORON	ASTM E 415
28	CHEMICAL- METALS & ALLOYS	PLAIN CARBON STEEL/ LOW ALLOY STEEL	CARBON	ASTM E 415
29	CHEMICAL- METALS & ALLOYS	PLAIN CARBON STEEL/ LOW ALLOY STEEL	CHROMIUM	ASTM E 415
30	CHEMICAL- METALS & ALLOYS	PLAIN CARBON STEEL/ LOW ALLOY STEEL	COBALT	ASTM E 415
31	CHEMICAL- METALS & ALLOYS	PLAIN CARBON STEEL/ LOW ALLOY STEEL	COPPER	ASTM E 415
32	CHEMICAL- METALS & ALLOYS	PLAIN CARBON STEEL/ LOW ALLOY STEEL	MANGANESE	ASTM E 415
33	CHEMICAL- METALS & ALLOYS	PLAIN CARBON STEEL/ LOW ALLOY STEEL	MOLYBDENUM	ASTM E 415
34	CHEMICAL- METALS & ALLOYS	PLAIN CARBON STEEL/ LOW ALLOY STEEL	NICKEL	ASTM E 415
35	CHEMICAL- METALS & ALLOYS	PLAIN CARBON STEEL/ LOW ALLOY STEEL	NIOBIUM	ASTM E 415
36	CHEMICAL- METALS & ALLOYS	PLAIN CARBON STEEL/ LOW ALLOY STEEL	PHOSPHOROUS	ASTM E 415
37	CHEMICAL- METALS & ALLOYS	PLAIN CARBON STEEL/ LOW ALLOY STEEL	SILICON	ASTM E 415

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38	CHEMICAL- METALS & ALLOYS	PLAIN CARBON STEEL/ LOW ALLOY STEEL	SULPHUR	ASTM E 415
39	CHEMICAL- METALS & ALLOYS	PLAIN CARBON STEEL/ LOW ALLOY STEEL	TITANIUM	ASTM E 415
40	CHEMICAL- METALS & ALLOYS	PLAIN CARBON STEEL/ LOW ALLOY STEEL	VANADIUM	ASTM E 415
41	CHEMICAL- METALS & ALLOYS	STAINLESS STEEL	CARBON	ASTM E 1086
42	CHEMICAL- METALS & ALLOYS	STAINLESS STEEL	CHROMIUM	ASTM E 1086
43	CHEMICAL- METALS & ALLOYS	STAINLESS STEEL	COBALT	ASTM E 1086
44	CHEMICAL- METALS & ALLOYS	STAINLESS STEEL	COPPER	ASTM E 1086
45	CHEMICAL- METALS & ALLOYS	STAINLESS STEEL	MANGANESE	ASTM E 1086
46	CHEMICAL- METALS & ALLOYS	STAINLESS STEEL	MOLYBDENUM	ASTM E 1086
47	CHEMICAL- METALS & ALLOYS	STAINLESS STEEL	NICKEL	ASTM E 1086
48	CHEMICAL- METALS & ALLOYS	STAINLESS STEEL	PHOSPHOROUS	ASTM E 1086
49	CHEMICAL- METALS & ALLOYS	STAINLESS STEEL	SILICON	ASTM E 1086
50	CHEMICAL- METALS & ALLOYS	STAINLESS STEEL	SULPHUR	ASTM E 1086
51	CHEMICAL- METALS & ALLOYS	STAINLESS STEEL	TITANIUM	ASTM E 1086
52	CHEMICAL- METALS & ALLOYS	STAINLESS STEEL	VANADIUM	ASTM E 1086