



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name TESTING LABORATORY, EMM TECH CALIBRATION, D1/ 65, SANJAY COLONY,
NIMS HOSPITAL ROAD, SECTOR-23, FARIDABAD, HARYANA , INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5498 Page No. : 1 / 59

Validity 05/07/2019 to 04/07/2021 Last Amended on 24/03/2020

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-ATMOSPHERIC POLLUTION	Air & Gases Ambient Air Quality Monitoring	Ammonia (as NH ₃)	Laboratory SOP-No EMTC/TPM/12c.06. Based on CPCB Guideline Vol-1, Page - 35: 2017
2	CHEMICAL-ATMOSPHERIC POLLUTION	Air & Gases Ambient Air Quality Monitoring	Oxide of Nitrogen (as NO _x)	IS 5182 (Part-6): 2006 RA: 2017
3	CHEMICAL-ATMOSPHERIC POLLUTION	Air & Gases Ambient Air Quality Monitoring	Ozone (as O ₃)	IS 5182 (Part-9): 1974 RA: 2014
4	CHEMICAL-ATMOSPHERIC POLLUTION	Air & Gases Ambient Air Quality Monitoring	PM 2.5 Particulate Matter (Size<2.5µm)	Laboratory SOP-No EMTC/TPM-12C.02 Based on CPCB Guideline Vol-1 No. 15 to 30) (SOP): 2015
5	CHEMICAL-ATMOSPHERIC POLLUTION	Air & Gases Ambient Air Quality Monitoring	Respirable Suspended Particulate Matter (RSPM – PM ₁₀)	IS 5182 (Part-23):2006 RA: 2012
6	CHEMICAL-ATMOSPHERIC POLLUTION	Air & Gases Ambient Air Quality Monitoring	Sulphur Dioxide (as SO ₂)	IS 5182 (Part-2): 2001 RA: 2017
7	CHEMICAL-ATMOSPHERIC POLLUTION	Air & Gases Ambient Air Quality Monitoring	Suspended Particulate Matter (SPM)	NIOH GUIDELINES, IS 5182 (Part-4): 1999 RA: 2014
8	CHEMICAL-ATMOSPHERIC POLLUTION	Indoor Air Quality (IAQ)	Nitrogen Oxide (as NO ₂)	NIOH GUIDELINES, IS 5182 (Part-6): 2006 RA: 2017



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NIMS HOSPITAL ROAD, SECTOR-23, FARIDABAD, HARYANA , INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5498 Page No. : 2 / 59

Validity 05/07/2019 to 04/07/2021 Last Amended on 24/03/2020

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9	CHEMICAL- ATMOSPHERIC POLLUTION	Indoor Air Quality (IAQ)	Sulphur Dioxide (as SO ₂)	NIOH GUIDELINES, IS 5182 (Part-2): 2001 RA: 2017
10	CHEMICAL- ATMOSPHERIC POLLUTION	Indoor Air Quality (IAQ)	Suspended Particulate Matter	NIOH GUIDELINES, IS 5182 (Part-4):1999 RA: 2014
11	CHEMICAL- ATMOSPHERIC POLLUTION	Noise Ambient and Source	Noise Levels Leq dB(A)	IS 9876: 1981 RA: 2013
12	CHEMICAL- ATMOSPHERIC POLLUTION	Noise Ambient and Source	Noise Levels Source	IS 4758 – 1968 RA: 2017
13	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission Monitoring	Carbon Dioxide	IS 13270:1992 RA: 2014
14	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission Monitoring	Carbon Monoxide	IS 5182 (Part-10): 1999 RA: 2014
15	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission Monitoring	Oxide of Nitrogen	IS 11255 (Part-7):2005 RA: 2017
16	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission Monitoring	Oxygen	IS 13270:1992 RA: 2014
17	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission Monitoring	Particulate Matter (PM)	IS 11255 (Part-1):1985 RA: 2014



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name TESTING LABORATORY, EMM TECH CALIBRATION, D1/ 65, SANJAY COLONY,
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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5498 Page No. : 3 / 59

Validity 05/07/2019 to 04/07/2021 Last Amended on 24/03/2020

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18	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission Monitoring	Sulphur Dioxide	IS 11255 (Part-2):1985 RA: 2014
19	CHEMICAL- BUILDING MATERIAL	Admixture	Ash Content	IS 9103:1999 RA: 2013
20	CHEMICAL- BUILDING MATERIAL	Admixture	Chloride ion Content	IS 9103:1999 RA: 2013
21	CHEMICAL- BUILDING MATERIAL	Admixture	Chloride ion Content	IS 6925:1973 RA: 2013
22	CHEMICAL- BUILDING MATERIAL	Admixture	Dry Material Content	IS 9103:1999 RA: 2013
23	CHEMICAL- BUILDING MATERIAL	Admixture	pH	IS 9103:1999 RA: 2013
24	CHEMICAL- BUILDING MATERIAL	Admixture	Relative Density	IS 9103:1999 RA: 2013
25	CHEMICAL- BUILDING MATERIAL	Concrete	Chloride (as Cl)	IS 14959 (Part-1):2001 RA: 2016
26	CHEMICAL- BUILDING MATERIAL	Concrete	Sulphate (as SO ₄)	IS 1727:1967 RA: 2013
27	CHEMICAL- BUILDING MATERIAL	Fly Ash	Available Alkalis as Potassium Oxide (K ₂ O)	IS 4032:1985 RA: 2014
28	CHEMICAL- BUILDING MATERIAL	Fly Ash	Available Alkalis as Sodium Oxide (Na ₂ O)	IS 4032:1985 RA: 2014
29	CHEMICAL- BUILDING MATERIAL	Fly Ash	Combined Alumina & Ferric Oxide (as R ₂ O ₃)	IS 1727:1967 RA: 2013
30	CHEMICAL- BUILDING MATERIAL	Fly Ash	Loss on Ignition	IS 1727:1967 RA: 2013



National Accreditation Board for Testing and Calibration Laboratories

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NIMS HOSPITAL ROAD, SECTOR-23, FARIDABAD, HARYANA , INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5498 Page No. : 4 / 59

Validity 05/07/2019 to 04/07/2021 Last Amended on 24/03/2020

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31	CHEMICAL- BUILDING MATERIAL	Fly Ash	Magnesium Oxide (MgO)	IS 1727:1967 RA: 2013
32	CHEMICAL- BUILDING MATERIAL	Fly Ash	Moisture Content	IS 1727:1967 RA: 2013
33	CHEMICAL- BUILDING MATERIAL	Fly Ash	Silicon dioxide (SiO ₂)	IS 1727:1967 RA: 2013
34	CHEMICAL- BUILDING MATERIAL	Fly Ash	Sulphur Trioxide (SO ₃)	IS 1727:1967 RA: 2013
35	CHEMICAL- BUILDING MATERIAL	Fly Ash	Total Chlorides (as Cl)	IS 4032:1985 RA: 2014
36	CHEMICAL- BUILDING MATERIAL	Micro Silica / Silica Fume	Available Alkalis as Potassium Oxide (K ₂ O)	IS 4032:1985 RA: 2014
37	CHEMICAL- BUILDING MATERIAL	Micro Silica / Silica Fume	Available Alkalis as Sodium Oxide (Na ₂ O)	IS 4032:1985 RA: 2014
38	CHEMICAL- BUILDING MATERIAL	Micro Silica / Silica Fume	Loss on Ignition	IS 1727:1967 RA: 2013
39	CHEMICAL- BUILDING MATERIAL	Micro Silica / Silica Fume	Moisture Content	IS 1727:1967 RA: 2013
40	CHEMICAL- BUILDING MATERIAL	Micro Silica / Silica Fume	Silicon dioxide (SiO ₂)	IS 1727:1967 RA: 2013
41	CHEMICAL- BUILDING MATERIAL	Ordinary Portland Cement (OPC)	Aluminum Oxide (as Al ₂ O ₃)	IS 4032:1985 RA: 2014
42	CHEMICAL- BUILDING MATERIAL	Ordinary Portland Cement (OPC)	Calcium Oxide (as CaO)	IS 4032:1985 RA: 2014
43	CHEMICAL- BUILDING MATERIAL	Ordinary Portland Cement (OPC)	Insoluble Residue	IS 4032:1985 RA: 2014



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name TESTING LABORATORY, EMM TECH CALIBRATION, D1/ 65, SANJAY COLONY,
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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5498 Page No. : 5 / 59

Validity 05/07/2019 to 04/07/2021 Last Amended on 24/03/2020

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44	CHEMICAL- BUILDING MATERIAL	Ordinary Portland Cement (OPC)	Iron Oxide (as Fe ₂ O ₃)	IS 4.32:1985 RA: 2014
45	CHEMICAL- BUILDING MATERIAL	Ordinary Portland Cement (OPC)	Loss on ignition	IS 4032:1985 RA: 2014
46	CHEMICAL- BUILDING MATERIAL	Ordinary Portland Cement (OPC)	Magnesium Oxide (as MgO)	IS 4032:1985 RA: 2014
47	CHEMICAL- BUILDING MATERIAL	Ordinary Portland Cement (OPC)	Potassium Oxide	IS 4032:1985 RA: 2014
48	CHEMICAL- BUILDING MATERIAL	Ordinary Portland Cement (OPC)	Silica (as SiO ₂)	IS 4032:1985 RA: 2014
49	CHEMICAL- BUILDING MATERIAL	Ordinary Portland Cement (OPC)	Sodium Oxide	IS 4032:1985 RA: 2014
50	CHEMICAL- BUILDING MATERIAL	Ordinary Portland Cement (OPC)	Sulphuric Anhydride	IS 4032:1985 RA: 2014
51	CHEMICAL- BUILDING MATERIAL	Ordinary Portland Cement (OPC)	Total Chloride (as Cl)	IS 4032:1985 RA: 2014
52	CHEMICAL- BUILDING MATERIAL	Plaster of Paris	Calcium Oxide (as CaO)	IS 1288:1982 RA: 2016
53	CHEMICAL- BUILDING MATERIAL	Plaster of Paris	Loss on Ignition	IS 2547(Part-1):1976 RA: 2017
54	CHEMICAL- BUILDING MATERIAL	Plaster of Paris	Soluble Magnesium Salt (as MgO)	IS 2547(Part-1):1976 RA: 2017
55	CHEMICAL- BUILDING MATERIAL	Plaster of Paris	Soluble Magnesium Salt (as MgO)	IS 1288:1982 RA: 2016
56	CHEMICAL- BUILDING MATERIAL	Plaster of Paris	Soluble Sodium Salt (as Na ₂ O)	IS 4032:1985 RA: 2014



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name TESTING LABORATORY, EMM TECH CALIBRATION, D1/ 65, SANJAY COLONY,
NIMS HOSPITAL ROAD, SECTOR-23, FARIDABAD, HARYANA , INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5498 Page No. : 6 / 59

Validity 05/07/2019 to 04/07/2021 Last Amended on 24/03/2020

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57	CHEMICAL- BUILDING MATERIAL	Plaster of Paris	Soluble Sodium Salt (as Na ₂ O)	IS 2547(part-1):1976 RA: 2017
58	CHEMICAL- BUILDING MATERIAL	Plaster of Paris	Sulphur Trioxide (as SO ₃)	IS 1288:1982 RA: 2016
59	CHEMICAL- BUILDING MATERIAL	Portland Pozzolana Cement (PPC)	Insoluble Residue	IS 4032:1985 RA: 2014
60	CHEMICAL- BUILDING MATERIAL	Portland Pozzolana Cement (PPC)	Loss on Ignition	IS 4032:1985 RA: 2014
61	CHEMICAL- BUILDING MATERIAL	Portland Pozzolana Cement (PPC)	Magnesium Oxide (as MgO)	IS 4032:1985 RA: 2014
62	CHEMICAL- BUILDING MATERIAL	Portland Pozzolana Cement (PPC)	Potassium Oxide	IS 4032:1985 RA: 2014
63	CHEMICAL- BUILDING MATERIAL	Portland Pozzolana Cement (PPC)	Sodium Oxide	IS 4032:1985 RA: 2014
64	CHEMICAL- BUILDING MATERIAL	Portland Pozzolana Cement (PPC)	Sulphuric Anhydride	IS 4032:1985 RA: 2014
65	CHEMICAL- BUILDING MATERIAL	Portland Pozzolana Cement (PPC)	Total Chloride (as Cl)	IS 4032:1985 RA: 2014
66	CHEMICAL- BUILDING MATERIAL	Portland Slag Cement (PSC)	Insoluble Residue	IS 4032:1985 RA: 2014
67	CHEMICAL- BUILDING MATERIAL	Portland Slag Cement (PSC)	Loss on Ignition	IS 4032:1985 RA: 2014
68	CHEMICAL- BUILDING MATERIAL	Portland Slag Cement (PSC)	Magnesium Oxide (as MgO)	IS 4032:1985 RA: 2014
69	CHEMICAL- BUILDING MATERIAL	Portland Slag Cement (PSC)	Potassium Oxide	IS 4032:1985 RA: 2014



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name TESTING LABORATORY, EMM TECH CALIBRATION, D1/ 65, SANJAY COLONY,
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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5498 Page No. : 7 / 59

Validity 05/07/2019 to 04/07/2021 Last Amended on 24/03/2020

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70	CHEMICAL- BUILDING MATERIAL	Portland Slag Cement (PSC)	Sodium Oxide	IS 4032:1985 RA: 2014
71	CHEMICAL- BUILDING MATERIAL	Portland Slag Cement (PSC)	Sulfide Sulphur	IS 4032:1985 RA: 2014
72	CHEMICAL- BUILDING MATERIAL	Portland Slag Cement (PSC)	Sulphuric Anhydride (SO ₃)	IS 4032:1985 RA: 2014
73	CHEMICAL- BUILDING MATERIAL	Portland Slag Cement (PSC)	Total Chloride (as Cl)	IS 4032:1985 RA: 2014
74	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Chromium (as Cr)	ASTM:E-1251: 1999
75	CHEMICAL- METALS & ALLOYS	aluminium & its alloys	Copper (as Cu)	ASTM: E-1251: 1999
76	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Iron (as Fe)	ASTM: E-1251: 1999
77	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Lead (as Pb)	ASTM: E-1251: 1999
78	CHEMICAL- METALS & ALLOYS	Aluminium & Its alloys	Magnesium (as Mg)	ASTM: E-1251: 1999
79	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Manganese (as Mn)	ASTM: E-1251: 1999
80	CHEMICAL- METALS & ALLOYS	Aluminium & Its alloys	Silicon (as Si)	ASTM E 1251: 2017
81	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Strontium (as Sr)	ASTM: E-1251: 1999
82	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Titanium (as Ti)	ASTM: E-1251: 1999



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name TESTING LABORATORY, EMM TECH CALIBRATION, D1/ 65, SANJAY COLONY,
NIMS HOSPITAL ROAD, SECTOR-23, FARIDABAD, HARYANA , INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5498 Page No. : 8 / 59

Validity 05/07/2019 to 04/07/2021 Last Amended on 24/03/2020

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83	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Vanadium (as V)	ASTM: E-1251: 1999
84	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Zinc (as Zn)	ASTM; E-1251: 1999
85	CHEMICAL- METALS & ALLOYS	Aluminium Products	Thickness of Anodizing Coating	IS 5523:1983 RA: 2016
86	CHEMICAL- METALS & ALLOYS	Aluminum & its alloys	Nickel (as Ni)	ASTM: E-1251: 1999
87	CHEMICAL- METALS & ALLOYS	Austenitic and ferritic stainless steel	Carbon (as C)	IS:9879: 2015
88	CHEMICAL- METALS & ALLOYS	Austenitic and ferritic stainless steel	Chromium (as Cr)	IS:9879: 2015
89	CHEMICAL- METALS & ALLOYS	Austenitic and ferritic stainless steel	Copper (as Cu)	IS:9879: 2015
90	CHEMICAL- METALS & ALLOYS	Austenitic and ferritic stainless steel	Manganese (as Mn)	IS:9879: 2015
91	CHEMICAL- METALS & ALLOYS	Austenitic and ferritic stainless steel	Molybdenum (as Mo)	IS:9879: 2015
92	CHEMICAL- METALS & ALLOYS	Austenitic and ferritic stainless steel	Nickel (as Ni)	IS:9879: 2015
93	CHEMICAL- METALS & ALLOYS	Austenitic and ferritic stainless steel	Phosphorus (as P)	IS:9879: 2015
94	CHEMICAL- METALS & ALLOYS	Austenitic and ferritic stainless steel	Silicon (as Si)	IS:9879: 2015
95	CHEMICAL- METALS & ALLOYS	Austenitic and ferritic stainless steel	Sulphur (as S)	IS:9879: 2015



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name TESTING LABORATORY, EMM TECH CALIBRATION, D1/ 65, SANJAY COLONY,
NIMS HOSPITAL ROAD, SECTOR-23, FARIDABAD, HARYANA , INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5498 Page No. : 9 / 59

Validity 05/07/2019 to 04/07/2021 Last Amended on 24/03/2020

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96	CHEMICAL- METALS & ALLOYS	Brass	Aluminium (as Al)	BS:EN 15079: 2015
97	CHEMICAL- METALS & ALLOYS	Brass	Copper (as Cu)	BS:EN 15079: 2015
98	CHEMICAL- METALS & ALLOYS	Brass	Iron (as Fe)	BS:EN 15079: 2015
99	CHEMICAL- METALS & ALLOYS	Brass	Lead (as Pb)	BS:EN 15079: 2015
100	CHEMICAL- METALS & ALLOYS	Brass	Manganese (as Mn)	BS:EN 15079: 2015
101	CHEMICAL- METALS & ALLOYS	Brass	Nickel (as Ni)	BS:EN 15079: 2015
102	CHEMICAL- METALS & ALLOYS	Brass	Phosphorus (as P)	BS:EN 15079: 2015
103	CHEMICAL- METALS & ALLOYS	Brass	Tin (as Sn)	BS:EN 15079: 2015
104	CHEMICAL- METALS & ALLOYS	Cast Iron	Carbon (as C)	IS-15338: 2003
105	CHEMICAL- METALS & ALLOYS	Cast Iron	Carbon (as C)	ASTM E 1999: 2011
106	CHEMICAL- METALS & ALLOYS	Cast Iron	Chromium (as Cr)	IS:15338: 2003
107	CHEMICAL- METALS & ALLOYS	Cast Iron	Chromium (as Cr)	ASTM E 1999: 2011
108	CHEMICAL- METALS & ALLOYS	Cast Iron	Copper (as Cu)	ASTM E 1999: 2011



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name TESTING LABORATORY, EMM TECH CALIBRATION, D1/ 65, SANJAY COLONY,
NIMS HOSPITAL ROAD, SECTOR-23, FARIDABAD, HARYANA , INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5498 Page No. : 10 / 59

Validity 05/07/2019 to 04/07/2021 Last Amended on 24/03/2020

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109	CHEMICAL- METALS & ALLOYS	Cast Iron	Copper (as Cu)	IS:15338: 2003
110	CHEMICAL- METALS & ALLOYS	Cast Iron	Manganese (as Mn)	IS:15338: 2003
111	CHEMICAL- METALS & ALLOYS	Cast Iron	Manganese (as Mn)	ASTM E 1999: 2011
112	CHEMICAL- METALS & ALLOYS	Cast Iron	Molybdenum (as Mo)	ASTM E 1999: 2011
113	CHEMICAL- METALS & ALLOYS	Cast Iron	Molybdenum (as Mo)	IS:15338: 2003
114	CHEMICAL- METALS & ALLOYS	Cast Iron	Nickel (as Ni)	ASTM E 1999: 2011
115	CHEMICAL- METALS & ALLOYS	Cast Iron	Nickel (as Ni)	IS:15338: 2003
116	CHEMICAL- METALS & ALLOYS	Cast Iron	Phosphorous (as P)	IS:15338: 2003
117	CHEMICAL- METALS & ALLOYS	Cast Iron	Phosphorous (as P)	ASTM E 1999: 2011
118	CHEMICAL- METALS & ALLOYS	Cast Iron	Silicon (as Si)	ASTM E 1999: 2011
119	CHEMICAL- METALS & ALLOYS	Cast Iron	Silicon (as Si)	IS:15338: 2003
120	CHEMICAL- METALS & ALLOYS	Cast Iron	Sulphur (as S)	IS:15338: 2003
121	CHEMICAL- METALS & ALLOYS	Cast Iron	Sulphur (as S)	ASTM E 1999: 2011



National Accreditation Board for Testing and Calibration Laboratories

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5498 Page No. : 11 / 59

Validity 05/07/2019 to 04/07/2021 Last Amended on 24/03/2020

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122	CHEMICAL- METALS & ALLOYS	Cast Iron	Titanium (as Ti)	ASTM E 1999: 2011
123	CHEMICAL- METALS & ALLOYS	Cast Iron	Vanadium (as V)	IS:15338: 2003
124	CHEMICAL- METALS & ALLOYS	Cast Iron	Vanadium (as V)	ASTM E 1999: 2011
125	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Iron (as Fe)	BS:EN 15079: 2015
126	CHEMICAL- METALS & ALLOYS	Copper & its alloy	Lead (as Pb)	BS:EN 15079: 2015
127	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Aluminium (as Al)	BS:EN 15079: 2015
128	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Manganese (as Mn)	BS:EN 15079: 2015
129	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Nickel (as Ni)	BS: EN 15079: 2015
130	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Phosphorous (as P)	BS:EN 15079: 2015
131	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Tin (as Sn)	BS:EN 15079: 2015
132	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Zinc (as Zn)	BS:EN 15079: 2015
133	CHEMICAL- METALS & ALLOYS	Low & medium Carbon steel	Copper (as Cu)	ASTM; E-415: 2015
134	CHEMICAL- METALS & ALLOYS	Low & medium Carbon steel	Molybdenum (as Mo)	ASTM: E-415: 2015



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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5498 Page No. : 12 / 59

Validity 05/07/2019 to 04/07/2021 Last Amended on 24/03/2020

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135	CHEMICAL- METALS & ALLOYS	Low & medium Carbon steel	Silicon (as Si)	ASTM: E-415: 2015
136	CHEMICAL- METALS & ALLOYS	Low & medium carbon steel	Carbon (as C)	ASTM: E-415: 2015
137	CHEMICAL- METALS & ALLOYS	Low & medium carbon steel	Chromium (as Cr)	ASTM: E-415: 2015
138	CHEMICAL- METALS & ALLOYS	Low & medium carbon steel	Manganese (as Mn)	ASTM: E-415: 2015
139	CHEMICAL- METALS & ALLOYS	Low & medium carbon steel	Nickel (as Ni)	ASTM: E-415: 2015
140	CHEMICAL- METALS & ALLOYS	Low & Medium Carbon Steel	Niobium (as Nb)	ASTM :E-415: 2015
141	CHEMICAL- METALS & ALLOYS	Low & medium carbon steel	Sulphur (as S)	ASTM: E-415: 2015
142	CHEMICAL- METALS & ALLOYS	Low & medium carbon steel	Vanadium (as V)	ASTM: E-415: 2015
143	CHEMICAL- METALS & ALLOYS	Low & medium carbon steell	Boron (as B)	ASTM:E-415: 2015
144	CHEMICAL- METALS & ALLOYS	Low &medium carbon steel	Aluminium (as Al)	ASTM: E-415: 2015
145	CHEMICAL- METALS & ALLOYS	Low &medium carbon steel	Phosphorous (as P)	ASTM: E-415: 2015
146	CHEMICAL- METALS & ALLOYS	Low alloy and plain carbon steel	Aluminium (as Al)	IS-8811: 1998
147	CHEMICAL- METALS & ALLOYS	Low alloy and plain carbon steel	Boron (as B)	IS :8811: 1998



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

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Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5498	Page No. :	13 / 59
Validity	05/07/2019 to 04/07/2021	Last Amended on	24/03/2020

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148	CHEMICAL- METALS & ALLOYS	Low alloy and Plain Carbon Steel	Carbon (as C)	IS:8811: 1998
149	CHEMICAL- METALS & ALLOYS	Low alloy and plain carbon steel	Chromium (as Cr)	IS:8811: 1998
150	CHEMICAL- METALS & ALLOYS	Low alloy and plain carbon steel	Copper (as Cu)	IS:8811: 1998
151	CHEMICAL- METALS & ALLOYS	Low alloy and plain carbon steel	Manganese (as Mn)	IS:8811: 1998
152	CHEMICAL- METALS & ALLOYS	Low alloy and plain carbon steel	Molybdenum (as Mo)	IS:8811: 1998
153	CHEMICAL- METALS & ALLOYS	Low alloy and plain carbon steel	Nickel (as Ni)	IS:8811: 1998
154	CHEMICAL- METALS & ALLOYS	Low alloy and plain carbon steel	Niobium (as Nb)	IS:8811: 1998
155	CHEMICAL- METALS & ALLOYS	Low alloy and plain carbon steel	Phosphorous (as P)	IS:8811: 1998
156	CHEMICAL- METALS & ALLOYS	Low alloy and plain carbon steel	Silicon (as Si)	IS:8811: 1998
157	CHEMICAL- METALS & ALLOYS	Low alloy and plain carbon steel	Sulphur (as S)	IS:8811: 1998
158	CHEMICAL- METALS & ALLOYS	Low alloy and plain carbon steel	Titanium (as Ti)	IS:8811: 1998
159	CHEMICAL- METALS & ALLOYS	Low alloy and plain carbon steel	Vanadium (as V)	IS:8811: 1998
160	CHEMICAL- METALS & ALLOYS	Mild Steel	Carbon (C)	IS 228(Part-1):1987 Ra: 2018



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name TESTING LABORATORY, EMM TECH CALIBRATION, D1/ 65, SANJAY COLONY,
NIMS HOSPITAL ROAD, SECTOR-23, FARIDABAD, HARYANA , INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5498 Page No. : 14 / 59

Validity 05/07/2019 to 04/07/2021 Last Amended on 24/03/2020

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
161	CHEMICAL- METALS & ALLOYS	Mild Steel	Manganese (Mn)	IS 228(Part-2):1987 RA: 2018
162	CHEMICAL- METALS & ALLOYS	Mild Steel	Phosphorus (P)	IS 228(Part-3):1987 RA: 2018
163	CHEMICAL- METALS & ALLOYS	Mild Steel	Silicon (Si)	IS 228(part-8):1989 RA: 2014
164	CHEMICAL- METALS & ALLOYS	Mild Steel	Sulphur (S)	IS 228(Part-9):1987 RA: 2018
165	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon (as C)	ASTM: E-1086: 2014
166	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon (C)	IS 228(Part-1):1987 RA: 2018
167	CHEMICAL- METALS & ALLOYS	Stainless steel	chromium (as Cr)	ASTM: E-1084: 2014
168	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium (Cr)	IS 228(Part-6):1987 RA: 2014
169	CHEMICAL- METALS & ALLOYS	Stainless steel	Copper (as Cu)	ASTM: E-1086: 2014
170	CHEMICAL- METALS & ALLOYS	Stainless steel	Manganese (as Mn)	ASTM: E-1086: 2014
171	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese (Mn)	IS 228(Part-2):1987 RA: 2018
172	CHEMICAL- METALS & ALLOYS	Stainless steel	Molybdenum (as Mo)	ASTM: E-1086: 2014
173	CHEMICAL- METALS & ALLOYS	Stainless steel	Nickel (as Ni)	ASTM: E-1086: 2014



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name TESTING LABORATORY, EMM TECH CALIBRATION, D1/ 65, SANJAY COLONY,
NIMS HOSPITAL ROAD, SECTOR-23, FARIDABAD, HARYANA , INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5498 Page No. : 15 / 59

Validity 05/07/2019 to 04/07/2021 Last Amended on 24/03/2020

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
174	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel (Ni)	IS 228 (Part-5):1987 RA: 2014
175	CHEMICAL- METALS & ALLOYS	Stainless steel	Phosphorous (as P)	ASTM: E-1086: 2014
176	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorus (P)	IS 228(Part-3): 1987 RA: 2018
177	CHEMICAL- METALS & ALLOYS	Stainless steel	Silicon (as Si)	ASTM: E-1086: 2014
178	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon (Si)	IS 228 (part-8) :1989 RA: 2014
179	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulphur (as S)	ASTM: E-1086: 2014
180	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulphur (S)	IS 228(PART-9):1989 RA: 2014
181	CHEMICAL- METALS & ALLOYS	Steel Products	Mass of Zinc Coating (Mass/Unit area)	IS 6745:1972 RA: 2016
182	CHEMICAL- METALS & ALLOYS	Steel Products	Uniformity of Zinc coating	IS 2633:1986 RA: 2016
183	CHEMICAL- POLLUTION & ENVIRONMENT	Soil / Agriculture Soil / Sludge (Hazardous Waste)	Available Phosphorus	Laboratory SOP-No. EMTC/TPM-09C.08 Based on Ministry of agriculture Manual2011-4.6.3/13: 2011



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name TESTING LABORATORY, EMM TECH CALIBRATION, D1/ 65, SANJAY COLONY,
NIMS HOSPITAL ROAD, SECTOR-23, FARIDABAD, HARYANA , INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5498 Page No. : 16 / 59

Validity 05/07/2019 to 04/07/2021 Last Amended on 24/03/2020

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
184	CHEMICAL-POLLUTION & ENVIRONMENT	Soil / Agriculture Soil / Sludge (Hazardous Waste)	Available Potassium (as K)	Laboratory SOP-No. EMTC/TPM-09C.06 Based on Ministry of agriculture Manual2011-4.6.3/14: 2011
185	CHEMICAL-POLLUTION & ENVIRONMENT	Soil / Agriculture Soil / Sludge (Hazardous Waste)	Available Sodium (as Na)	Laboratory SOP-No. EMTC/TPM-09C.10 Based on Ministry of agriculture Manual2011-4.6.3/14: 2011
186	CHEMICAL-POLLUTION & ENVIRONMENT	Soil / Agriculture Soil / Sludge (Hazardous Waste)	Available Sulphur	Laboratory SOP-No. EMTC/TPM-09C.09 Based on Ministry of agriculture Manual2011-4.6.3/15 RA: 2011
187	CHEMICAL-POLLUTION & ENVIRONMENT	Soil / Agriculture Soil / Sludge (Hazardous Waste)	Chloride (as Cl)	Laboratory SOP-No. EMTC/TPM-09C.12 Based on USDA-M-13,1954 Edition by LA Richards 1969: 1954
188	CHEMICAL-POLLUTION & ENVIRONMENT	Soil / Agriculture Soil / Sludge (Hazardous Waste)	Conductivity	IS:2720 (P-21)-1977 RA: 2015



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name	TESTING LABORATORY, EMM TECH CALIBRATION, D1/ 65, SANJAY COLONY, NIMS HOSPITAL ROAD, SECTOR-23, FARIDABAD, HARYANA , INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5498	Page No. :	17 / 59
Validity	05/07/2019 to 04/07/2021	Last Amended on	24/03/2020

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
189	CHEMICAL- POLLUTION & ENVIRONMENT	Soil / Agriculture Soil / Sludge (Hazardous Waste)	Exchangeable Calcium (as Ca)	Laboratory SOP-No. EMTC/TPM-09C.07 Based on Ministry of agriculture Manual2011-4.6.3/16: 2011
190	CHEMICAL- POLLUTION & ENVIRONMENT	Soil / Agriculture Soil / Sludge (Hazardous Waste)	Magnesium (as Mg)	Laboratory SOP-No. EMTC/TPM-09C.11 Based on USDA-M- 7,1954 Edition by LA Richards 1969: 1954
191	CHEMICAL- POLLUTION & ENVIRONMENT	Soil / Agriculture Soil / Sludge (Hazardous Waste)	Organic carbon / Organic Matter	IS:2720 (P-22)-1972 RA: 2015
192	CHEMICAL- POLLUTION & ENVIRONMENT	Soil / Agriculture Soil / Sludge (Hazardous Waste)	pH	IS:2720 (P-26)-1987 RA: 2011
193	CHEMICAL- POLLUTION & ENVIRONMENT	Soil / Agriculture Soil / Sludge (Hazardous Waste)	Sulphate (as SO4)	IS:2720 (P-27)-1977 RA: 2015
194	CHEMICAL- POLLUTION & ENVIRONMENT	Soil / Agriculture Soil / Sludge (Hazardous Waste)	Total Nitrogen	Laboratory SOP-No. EMTC/TPM-09C.05 Based on Ministry of agriculture Manual2011-4.6.3/10 : 2011
195	CHEMICAL- POLLUTION & ENVIRONMENT	Soil / Agriculture Soil / Sludge (Hazardous Waste)	Total Soluble Solid	IS 2720(P-21):1977 RA: 2015



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name TESTING LABORATORY, EMM TECH CALIBRATION, D1/ 65, SANJAY COLONY,
NIMS HOSPITAL ROAD, SECTOR-23, FARIDABAD, HARYANA , INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5498 Page No. : 18 / 59

Validity 05/07/2019 to 04/07/2021 Last Amended on 24/03/2020

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
196	CHEMICAL-POLLUTION & ENVIRONMENT	Waste Water, Effluent Water	Ammoniacal Nitrogen (as N)	IS 3025(Part-34):1988 RA: 2014
197	CHEMICAL-POLLUTION & ENVIRONMENT	Waste Water, Effluent Water	Bio Chemical Oxygen Demand (BOD)(5 days at 20°C)(3 days at 27°C)	IS 3025(Part-44):1993 RA: 2014
198	CHEMICAL-POLLUTION & ENVIRONMENT	Waste Water, Effluent Water	Chemical Oxygen Demand (COD)	IS 3025(Part-58):2006 RA: 2012
199	CHEMICAL-POLLUTION & ENVIRONMENT	Waste Water, Effluent Water	Colour / Appearance	IS 3025(Part-4):1983 RA: 2012
200	CHEMICAL-POLLUTION & ENVIRONMENT	Waste Water, Effluent Water	Conductivity	IS 3025(Part-14):1992 RA: 2012
201	CHEMICAL-POLLUTION & ENVIRONMENT	Waste Water, Effluent Water	Dissolved Oxygen	IS 3025(Part-38):1988 RA: 2014
202	CHEMICAL-POLLUTION & ENVIRONMENT	Waste Water, Effluent Water	Fluoride (as F)	IS 3025(Part-60):2008 RA: 2013
203	CHEMICAL-POLLUTION & ENVIRONMENT	Waste Water, Effluent Water	Free Ammonia	IS 3025(Part-34):1988 RA: 2014
204	CHEMICAL-POLLUTION & ENVIRONMENT	Waste Water, Effluent Water	Hexavalent Chromium (as Cr+6)	IS 3025(Part-52):2003 RA: 2014



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name TESTING LABORATORY, EMM TECH CALIBRATION, D1/ 65, SANJAY COLONY,
NIMS HOSPITAL ROAD, SECTOR-23, FARIDABAD, HARYANA , INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5498 Page No. : 19 / 59

Validity 05/07/2019 to 04/07/2021 Last Amended on 24/03/2020

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
205	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water, Effluent Water	Iron (as Fe)	IS 3025(Part-53):2003 RA: 2014
206	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water, Effluent Water	Nitrate (as N/as NO ₃)	IS 3025(Part-34):1988 RA: 2014
207	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water, Effluent Water	Odour	IS 3025(Part-5):1983 RA: 2017
208	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water, Effluent Water	Oil & Grease	IS 3025(Part-39):1991 RA: 2014
209	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water, Effluent Water	pH	IS 3025(Part-11):1983 RA: 2012
210	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water, Effluent Water	Phenol/Phenolic Compound	IS 3025(Part-43):1992 RA: 2014
211	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water, Effluent Water	Phosphorous (as P) / Phosphate (as PO ₄ , P ₂ O ₅)	IS 3025(Part-31):1988 RA: 2014
212	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water, Effluent Water	Sulphate (as SO ₄)	IS 3025(Part-24):1986 RA: 2014
213	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water, Effluent Water	Sulphide (as H ₂ S)	IS 3025(Part-29):11986 RA: 2014



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name	TESTING LABORATORY, EMM TECH CALIBRATION, D1/ 65, SANJAY COLONY, NIMS HOSPITAL ROAD, SECTOR-23, FARIDABAD, HARYANA , INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5498	Page No. :	21 / 59
Validity	05/07/2019 to 04/07/2021	Last Amended on	24/03/2020

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
224	CHEMICAL- WATER	Construction water	Organic Solid	APHA-2540 E:23rd edition: 2017
225	CHEMICAL- WATER	Construction Water	Organic Solid	IS:3025(part-18) :1984 RA: 2012
226	CHEMICAL- WATER	Construction Water	pH	IS 3025 (Part 11) Electrometric method: 1983 Reaffirmed: 2017
227	CHEMICAL- WATER	Construction Water	Sulphate (as SO ₃)	IS 3025 (Part 24) Turbidity Method: 1986 Reaffirmed: 2014
228	CHEMICAL- WATER	Construction Water	Total Solid / Total Dissolved Solid	IS 3025(Part-16):1984 RA: 2012
229	CHEMICAL- WATER	Construction Water	Total Suspended Solid	IS 3025(Part-17):1984 RA:: 2012
230	CHEMICAL- WATER	Construction Water	Volume of 0.02N, H ₂ SO ₄ required to neutralize 100ml sample of water using mix Indicator	Is:3025 (Part-18):1984 Ra: 2012
231	CHEMICAL- WATER	Construction Water	Volume of 0.02N, NaOH reported to Neutralize 100ml sample of water using phenolphthalein	IS:3025 (Part-19): 1984 RA: 2016
232	CHEMICAL- WATER	Drinking Warer	Temperature	APHA-2550 B-23rd Ed. RA: 2017
233	CHEMICAL- WATER	Drinking Water	Acidity	APHA 23rd Edn.2017 - 2310 B (Titration Method): 2017
234	CHEMICAL- WATER	Drinking Water	Acidity	IS:3025 (Part-22):1986 RA: 2014



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name TESTING LABORATORY, EMM TECH CALIBRATION, D1/ 65, SANJAY COLONY,
NIMS HOSPITAL ROAD, SECTOR-23, FARIDABAD, HARYANA , INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5498 Page No. : 22 / 59

Validity 05/07/2019 to 04/07/2021 Last Amended on 24/03/2020

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
235	CHEMICAL- WATER	Drinking Water	Alkalinity	IS:3025(Part-23):1986 RA: 2014
236	CHEMICAL- WATER	Drinking Water	Alkalinity	APHA 23RD Edn.2017 -2320 B (Titration Method): 2017
237	CHEMICAL- WATER	Drinking Water	Ammonia (as Total Ammonia – N)	IS:3025(Part-34):1988 RA: 2014
238	CHEMICAL- WATER	Drinking Water	Ammoniacal Nitrogen	IS:3025(Part-34):1988 Titrimetric method, RA: 2014
239	CHEMICAL- WATER	Drinking Water	Ammoniacal Nitrogen	APHA 23rd Edn.2017 - 4500 NH3 C- (Titrametric Method): 2017
240	CHEMICAL- WATER	Drinking Water	Anionic (Detergent) Surface Active Agent	IS: 13428:2005, Annex 4, RA: 2014
241	CHEMICAL- WATER	Drinking Water	Anionic (Detergent) Surface Active Agent	APHA 23rd Edn.2017 - 5540 (Anionic Surfactants as MBAS): 2017
242	CHEMICAL- WATER	Drinking Water	Bio Chemical Oxygen Demand (BOD) @27 deg C for 3 days	IS:3025(Part-44):1993 RA: 2014
243	CHEMICAL- WATER	Drinking Water	Bio Chemical Oxygen Demand (BOD) @27 deg C for 5 days	APHA 23rd Edn.2017 - 5210B: 2017
244	CHEMICAL- WATER	Drinking Water	Boron (as B)	IS:3025(Part-57):2005 RA: 2010
245	CHEMICAL- WATER	Drinking Water	Boron (as B)	APHA 23rdEdn.2017 -- 4500B/B (Curcumin Method): 2017



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name TESTING LABORATORY, EMM TECH CALIBRATION, D1/ 65, SANJAY COLONY,
NIMS HOSPITAL ROAD, SECTOR-23, FARIDABAD, HARYANA , INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5498 Page No. : 23 / 59

Validity 05/07/2019 to 04/07/2021 Last Amended on 24/03/2020

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
246	CHEMICAL- WATER	Drinking Water	Calcium (as Ca)	IS 3025 (Part 40) EDTA Titrimetric method:1991 Reaffirmed: 2014
247	CHEMICAL- WATER	Drinking Water	Calcium (as Ca)	APHA 23rd Edn.2017 -- 3500Ca - B (EDTA Titrimetric Method): 2017
248	CHEMICAL- WATER	Drinking Water	Chemical Oxygen Demand (COD)	IS:3025(Part-58):2006 RA: 2012
249	CHEMICAL- WATER	Drinking Water	Chemical Oxygen Demand (COD)	APHA 23rd Edn.2017 - 5220B (Open Reflux Method): 2017
250	CHEMICAL- WATER	Drinking Water	Chloride (as Cl)	IS 3025 (Part 32) Argentometric method: 1988 Reaffirmed: 2014
251	CHEMICAL- WATER	Drinking Water	Chloride (as Cl-)	APHA 23rd Edn.2017 -- 4500Cl- B (Argentometric Method): 2017
252	CHEMICAL- WATER	Drinking Water	Colour / Appearance	APHA 23rd Edn.2017 - 2120B, (Visual Comparison Method): 2017
253	CHEMICAL- WATER	Drinking Water	Colour / Appearance	IS 3025(Part-4):1983 RA: 2012
254	CHEMICAL- WATER	Drinking Water	Conductivity	IS 3025(Part-14):1983 RA: 2013

This is annexure to 'Certificate of Accreditation' and does not require any signature.



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name TESTING LABORATORY, EMM TECH CALIBRATION, D1/ 65, SANJAY COLONY,
NIMS HOSPITAL ROAD, SECTOR-23, FARIDABAD, HARYANA , INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5498 Page No. : 24 / 59

Validity 05/07/2019 to 04/07/2021 Last Amended on 24/03/2020

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
255	CHEMICAL- WATER	Drinking Water	Conductivity	APHA 23rd Edn.2017 -2510 B (Laboratory Method): 2017
256	CHEMICAL- WATER	Drinking Water	Dissolved Oxygen	APHA-4500 O – C & G - 23rd Ed RA.: 2017
257	CHEMICAL- WATER	Drinking Water	Dissolved Oxygen	IS 3025 (Part 38) Titrimetric method (Winker method): 1989 Reaffirmed: 2014
258	CHEMICAL- WATER	Drinking Water	Fluoride (as F)	APHA-4500F D-23rd Ed RA: 2017
259	CHEMICAL- WATER	Drinking Water	Fluoride (as F)	APHA 23rd Edn.2017 -- 4500 F- D (SPANDS method): 2017
260	CHEMICAL- WATER	Drinking Water	Hardness (as CaCO ₃)	APHA 23rd Edn.2017 -2340 C (EDTA Titrimetric Method): 2017
261	CHEMICAL- WATER	Drinking Water	Hardness (as CaCO ₃)	IS 3025 (Part 21) EDTA Titrimetric method: 2009 Reaffirmed: 2014
262	CHEMICAL- WATER	Drinking Water	Inorganic Solid (Fixed Solid)	APHA 23rd Edn.2017 - 2540 E (Fixed and Volatile Solids Ignited at 550 degreeC): 2017
263	CHEMICAL- WATER	Drinking Water	Inorganic Solid (Fixed Solid)	IS:3025 (Part-18):1984 RA: 2017



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name	TESTING LABORATORY, EMM TECH CALIBRATION, D1/ 65, SANJAY COLONY, NIMS HOSPITAL ROAD, SECTOR-23, FARIDABAD, HARYANA , INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5498	Page No. :	25 / 59
Validity	05/07/2019 to 04/07/2021	Last Amended on	24/03/2020

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
264	CHEMICAL- WATER	Drinking Water	Iron (as Fe)	IS:3025(Part-53):2003, 1,10 Phenanthroline method, RA: 2014
265	CHEMICAL- WATER	Drinking Water	Iron (as Fe)	APHA 23rd Edn.2017 - 3500 Fe B (Phenanthroline Method): 2017
266	CHEMICAL- WATER	Drinking Water	Magnesium (as Mg)	APHA 23rd Edn.2017 -- 3500Mg - B (By Calculation Method): 2017
267	CHEMICAL- WATER	Drinking Water	Magnesium (as Mg)	IS 3025 (Part 46) Volumetric method using EDTA: 1994 Reaffirmed: 2014
268	CHEMICAL- WATER	Drinking Water	Nitrate / Nitrate Nitrogen (as N/as NO ₃)	IS:3025(Part-34):1988 RA: 2014
269	CHEMICAL- WATER	Drinking Water	Odour	IS 3025(Part-5):1983 RA: 2017
270	CHEMICAL- WATER	Drinking Water	Organic Solid (Volatile Solid)	APHA 23rd Edn.2017 - 2540 E (Fixed and Volatile Solids Ignited at 550 degreeC): 2017
271	CHEMICAL- WATER	Drinking Water	Organic Solid (Volatile Solid)	IS:3025 (Part-18):1984 RA: 2017
272	CHEMICAL- WATER	Drinking Water	pH	APHA 23rd Edn.2017 - 4500H+ B (Electrometric Method): 2017



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name TESTING LABORATORY, EMM TECH CALIBRATION, D1/ 65, SANJAY COLONY,
NIMS HOSPITAL ROAD, SECTOR-23, FARIDABAD, HARYANA , INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5498 Page No. : 26 / 59

Validity 05/07/2019 to 04/07/2021 Last Amended on 24/03/2020

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
273	CHEMICAL- WATER	Drinking Water	pH	IS 3025 (Part 11) Electrometric method: 1983 Reaffirmed: 2017
274	CHEMICAL- WATER	Drinking Water	Phenol/Phenolic Compound (C ₆ H ₅ OH)	IS:3025(Part-43):1992, 4 aminoantipyrine method with chloroform extraction RA: 2014
275	CHEMICAL- WATER	Drinking Water	Phenol/Phenolic Compound (C ₆ H ₅ OH)	APHA-5530 C, D-23rd Ed RA: 2017
276	CHEMICAL- WATER	Drinking Water	Phosphorus (as P/PO ₄)	APHA 23rd Edn.2017 - 4500 P-D (Ascorbic Acid Method): 2017
277	CHEMICAL- WATER	Drinking Water	Phosphorus (as P/PO ₄)	IS:3025(Part-31):1988 RA: 2014
278	CHEMICAL- WATER	Drinking Water	Potassium (as K)	IS:3025(Part-45):1993 RA: 2014
279	CHEMICAL- WATER	Drinking Water	Potassium (as K)	APHA 23rd Edn.2017 -3500 K-D (Flame Emission Photometric Method): 2017
280	CHEMICAL- WATER	Drinking Water	Residual Free Chlorine	APHA-4500Cl B-23rd Ed RA.: 2017
281	CHEMICAL- WATER	Drinking Water	Residual Free Chlorine	IS:3025(Part-26):1986 RA: 2014
282	CHEMICAL- WATER	Drinking Water	Silica (as SiO ₂)	IS:3025(Part-35):1988, Molybdosilicate method, RA: 2014



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name TESTING LABORATORY, EMM TECH CALIBRATION, D1/ 65, SANJAY COLONY,
NIMS HOSPITAL ROAD, SECTOR-23, FARIDABAD, HARYANA , INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5498 Page No. : 27 / 59

Validity 05/07/2019 to 04/07/2021 Last Amended on 24/03/2020

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
283	CHEMICAL- WATER	Drinking Water	Silica (as SiO ₂)	APHA 23rd Edn.2017 - 4500 SiO ₂ (Molybdsilicate method): 2017
284	CHEMICAL- WATER	Drinking water	Sodium (as Na)	IS:3025(Part-45):1993 RA: 2014
285	CHEMICAL- WATER	Drinking Water	Sodium (as Na)	APHA-3500Na B-23rd Ed RA: 2017
286	CHEMICAL- WATER	Drinking Water	Sulphate (as SO ₄)	APHA 23rd Edn.2017 - 4500 SO ₄ -2 E (Turbidimetric Method): 2017
287	CHEMICAL- WATER	Drinking Water	Sulphate (as SO ₄)	IS:3025(Part-24):1986 RA: 2014
288	CHEMICAL- WATER	Drinking Water	Sulphide (as H ₂ S)	IS:3025(Part-29):1986, Iodometric method,: 2014
289	CHEMICAL- WATER	Drinking Water	Sulphide (as H ₂ S)	APHA 23rd Edn.2017 - 4500 S ₂ F (Iodometric Method): 2017
290	CHEMICAL- WATER	Drinking Water	Taste	APHA-2160 C-23rd Ed. RA: 2017
291	CHEMICAL- WATER	Drinking Water	Taste	IS 3025(Part-8):1984 RA: 2017
292	CHEMICAL- WATER	Drinking Water	Temperature	IS 3025(Part-9):1984 RA: 2017
293	CHEMICAL- WATER	Drinking Water	Total Dissolved Solid	IS:3025(Part-16):1984 RA: 2017



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name TESTING LABORATORY, EMM TECH CALIBRATION, D1/ 65, SANJAY COLONY,
NIMS HOSPITAL ROAD, SECTOR-23, FARIDABAD, HARYANA , INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5498 Page No. : 29 / 59

Validity 05/07/2019 to 04/07/2021 Last Amended on 24/03/2020

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
305	CHEMICAL- WATER	RO Water	Calcium (as Ca)	APHA 23rd Edn.2017 -- 3500Ca - B (EDTA Titrimetric Method): 2017
306	CHEMICAL- WATER	RO Water	Calcium (as Ca)	IS 3025 (Part 40) EDTA Titrimetric method:1991 Reaffirmed: 2014
307	CHEMICAL- WATER	RO Water	Chloride (as Cl-)	IS 3025 (Part 32) Argentometric method: 1988 Reaffirmed: 2014
308	CHEMICAL- WATER	RO Water	Chloride (as Cl-)	APHA 23rd Edn.2017 -- 4500Cl- B (Argentometric Method): 2017
309	CHEMICAL- WATER	RO Water	Colour / Appearance	IS:3025(Part-4):1983 RA: 2012
310	CHEMICAL- WATER	RO Water	Colour / Appearance	APHA 23rd Edn.2017 - 2120B, (Visual Comparison Method): 2017
311	CHEMICAL- WATER	RO Water	Fluoride (as F)	APHA 23rd Edn.2017 -- 4500 F- D (SPANDS method): 2017
312	CHEMICAL- WATER	RO Water	Fluoride (as F)	IS:3025(Part-60):2008 RA: 2013



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name TESTING LABORATORY, EMM TECH CALIBRATION, D1/ 65, SANJAY COLONY,
NIMS HOSPITAL ROAD, SECTOR-23, FARIDABAD, HARYANA , INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5498 Page No. : 30 / 59

Validity 05/07/2019 to 04/07/2021 Last Amended on 24/03/2020

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
313	CHEMICAL- WATER	RO Water	Iron (as Fe)	APHA 23rd Edn.2017 - 3500 Fe B (Phenanthroline Method): 2017
314	CHEMICAL- WATER	RO Water	Iron (as Fe)	IS:3025(Part-53):2003, 1,10 Phenanthroline method, RA: 2014
315	CHEMICAL- WATER	RO Water	Magnesium (as Mg)	APHA 23rd Edn.2017 -- 3500Mg - B (By Calculation Method): 2017
316	CHEMICAL- WATER	RO Water	Magnesium (as Mg)	IS 3025 (Part 46) Volumetric method using EDTA: 1994 Reaffirmed: 2014
317	CHEMICAL- WATER	RO Water	Nitrate / Nitrate Nitrogen (as N/as NO3)	IS:3025(Part-34):1988 RA: 2014
318	CHEMICAL- WATER	RO Water	Odour	IS:3025(Part-5): 1983 RA: 2012
319	CHEMICAL- WATER	RO Water	pH	IS 3025 (Part 11) Electrometric method: 1983 Reaffirmed 2017: 2012
320	CHEMICAL- WATER	RO Water	pH	APHA 23rd Edn.2017 - 4500H+ B (Electrometric Method): 2017



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name TESTING LABORATORY, EMM TECH CALIBRATION, D1/ 65, SANJAY COLONY,
NIMS HOSPITAL ROAD, SECTOR-23, FARIDABAD, HARYANA , INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5498 Page No. : 31 / 59

Validity 05/07/2019 to 04/07/2021 Last Amended on 24/03/2020

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
321	CHEMICAL- WATER	RO Water	Phenol/Phenolic Compound (C6H5OH)	APHA 23rd Edn.2017 - 5530 C (Chloroform Extraction Method): 2017
322	CHEMICAL- WATER	RO Water	Phenol/Phenolic Compound (C6H5OH)	IS:3025(Part-43):1992, 4 aminoantipyrine method with chloroform extraction, RA: 2014
323	CHEMICAL- WATER	RO Water	Residual Free Chloride	APHA-4500Cl B-23rd Ed. RA: 2017
324	CHEMICAL- WATER	RO Water	Residual Free Chloride	IS:3025(Part-26):1986 RA: 2014
325	CHEMICAL- WATER	RO Water	Sodium (as Na)	IS:3025(Part-45):1993 Flame Photometry method, RA: 2014
326	CHEMICAL- WATER	RO Water	Sodium (as Na)	APHA 23rd Edn.2017 -3500 Na-B (Flame Emission Photometric Method): 2017
327	CHEMICAL- WATER	RO Water	Sulphate (as SO4)	APHA 23rd Edn.2017 - 4500 SO4-2 E (Turbidimetric Method): 2017
328	CHEMICAL- WATER	RO Water	Sulphate (as SO4)	IS 3025 (Part 24) Turbidity Method: 1986 Reaffirmed: 2014
329	CHEMICAL- WATER	RO Water	Sulphide (as H2S)	IS:3025(Part-29):1986, Iodometric method, RA: 2014



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name TESTING LABORATORY, EMM TECH CALIBRATION, D1/ 65, SANJAY COLONY,
NIMS HOSPITAL ROAD, SECTOR-23, FARIDABAD, HARYANA , INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5498 Page No. : 32 / 59

Validity 05/07/2019 to 04/07/2021 Last Amended on 24/03/2020

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
330	CHEMICAL- WATER	RO Water	Sulphide (as H ₂ S)	APHA 23rd Edn.2017 - 4500 S ₂ F (Iodometric Method): 2017
331	CHEMICAL- WATER	RO Water	Taste	IS:3025(Part-8): 1984 RA: 2012
332	CHEMICAL- WATER	RO Water	Taste	APHA-2160 C-23rd Ed. RA: 2017
333	CHEMICAL- WATER	RO Water	Total Dissolved Solid	APHA-2540 (C)- 23rd Ed. RA: 2017
334	CHEMICAL- WATER	RO Water	Total Dissolved Solid	IS:3025(Part-16):1984 RA: 2012
335	CHEMICAL- WATER	Surface/ Ground Water	Acidity	IS:3025 (Part-22):1986 RA: 2014
336	CHEMICAL- WATER	Surface/ Ground Water	Acidity	APHA 23rd Edn.2017 - 2310 B (Titration Method): 2017
337	CHEMICAL- WATER	Surface/ Ground Water	Alkalinity	IS:3025(Part-23):1986 RA: 2014
338	CHEMICAL- WATER	Surface/ Ground Water	Alkalinity	APHA 23rd Edn.2017 -2320 B (Titration Method): 2017
339	CHEMICAL- WATER	Surface/ Ground Water	Ammonia (as Total Ammonia – N)	IS:3025(Part-34):1988, Phenate method, RA: 2014
340	CHEMICAL- WATER	Surface/ Ground Water	Ammoniacal Nitrogen	IS:3025(Part-34):1988 Titrimetric method, RA: 2014



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name TESTING LABORATORY, EMM TECH CALIBRATION, D1/ 65, SANJAY COLONY,
NIMS HOSPITAL ROAD, SECTOR-23, FARIDABAD, HARYANA , INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5498 Page No. : 33 / 59

Validity 05/07/2019 to 04/07/2021 Last Amended on 24/03/2020

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
341	CHEMICAL- WATER	Surface/ Ground Water	Ammonical Nitrogen	APHA 23rd Edn.2017 - 4500 NH3 C- (Titrametric Method): 2017
342	CHEMICAL- WATER	Surface/ Ground Water	Anionic (Detergent) Surface Active Agent	APHA 23rd Edn.2017 - 5540 (Anionic Surfactants as MBAS): 2017
343	CHEMICAL- WATER	Surface/ Ground Water	Anionic (Detergent) Surface Active Agent	IS: 13428:2005, Annex K , RA: 2014
344	CHEMICAL- WATER	Surface/ Ground Water	Bio Chemical Oxygen Demand (BOD) @27 deg C for 3 days	IS:3025(Part-44):1993 RA: 2014
345	CHEMICAL- WATER	Surface/ Ground Water	Bio Chemical Oxygen Demand (BOD) @27 deg C for 5 days	APHA 23rd Edn.2017 - 5210B: 2017
346	CHEMICAL- WATER	Surface/ Ground Water	Boron (as B)	APHA-4500 B – B: 23rd Ed. RA: 2017
347	CHEMICAL- WATER	Surface/ Ground Water	Boron (as B)	IS:3025(Part-57):2005 Colorimetric Curcumin Method, RA: 2010
348	CHEMICAL- WATER	Surface/ Ground Water	Calcium (as Ca)	IS 3025 (Part 40) EDTA Titrimetric method:1991 Reaffirmed, : 2014
349	CHEMICAL- WATER	Surface/ Ground Water	Calcium (as Ca)	APHA 23rd Edn.2017 -- 3500Ca - B (EDTA Titrimetric Method): 2017
350	CHEMICAL- WATER	Surface/ Ground Water	Chemical Oxygen Demand (COD)	IS:3025(Part-58):2006 RA: 2012



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name TESTING LABORATORY, EMM TECH CALIBRATION, D1/ 65, SANJAY COLONY,
NIMS HOSPITAL ROAD, SECTOR-23, FARIDABAD, HARYANA , INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5498 Page No. : 34 / 59

Validity 05/07/2019 to 04/07/2021 Last Amended on 24/03/2020

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
351	CHEMICAL- WATER	Surface/ Ground Water	Chemical Oxygen Demand (COD)	APHA 23rd Edn.2017 - 5220B (Open Reflux Method): 2017
352	CHEMICAL- WATER	Surface/ Ground Water	Chloride (as Cl-)	IS 3025 (Part 32) Argentometric method: 1988 Reaffirmed: 2014
353	CHEMICAL- WATER	Surface/ Ground Water	Chloride (as Cl-)	APHA 23rd Edn.2017 -- 4500Cl- B (Argentometric Method): 2017
354	CHEMICAL- WATER	Surface/ Ground Water	Colour / Appearance	IS:3025(Part-4):1983 RA: 2012
355	CHEMICAL- WATER	Surface/ Ground Water	Colour / Appearance	APHA 23rd Edn.2017 - 2120B, (Visual Comparision Method): 2017
356	CHEMICAL- WATER	Surface/ Ground Water	Conductivity	APHA-2510 - 23rd Ed. RA: 2017
357	CHEMICAL- WATER	Surface/ Ground Water	Conductivity	IS:3025(Part-14):1984 RA: 2013
358	CHEMICAL- WATER	Surface/ Ground Water	Dissolved Oxygen	IS 3025 (Part 38) Titrimetric method (Winker method): 1989 Reaffirmed: 2014
359	CHEMICAL- WATER	Surface/ Ground Water	Dissolved Oxygen	APHA-4500 O – C & G - 23rd Ed. RA: 2017
360	CHEMICAL- WATER	Surface/ Ground Water	Fluoride (as F)	IS 3025 (part 60) 2008 RA: 2013



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name TESTING LABORATORY, EMM TECH CALIBRATION, D1/ 65, SANJAY COLONY,
NIMS HOSPITAL ROAD, SECTOR-23, FARIDABAD, HARYANA , INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5498 Page No. : 36 / 59

Validity 05/07/2019 to 04/07/2021 Last Amended on 24/03/2020

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
370	CHEMICAL- WATER	Surface/ Ground Water	Nitrate / Nitrate Nitrogen (as N/as NO ₃)	IS:3025(Part-34):1988 RA: 2014
371	CHEMICAL- WATER	Surface/ Ground Water	Odour	IS:3025(Part-5): 1983 RA: 2012
372	CHEMICAL- WATER	Surface/ Ground Water	Organic Solid (Volatile Solid)	APHA 23rd Edn.2017 - 2540 E (Fixed and Volatile Solids Ignited at 550 degree C): 2017
373	CHEMICAL- WATER	Surface/ Ground Water	Organic Solid (Volatile Solid)	IS:3025 (Part-18):1984 RA: 2012
374	CHEMICAL- WATER	Surface/ Ground Water	pH	IS 3025 (Part 11) Electrometric method: 1983 Reaffirmed: 2017
375	CHEMICAL- WATER	Surface/ Ground Water	pH	APHA 23rd Edn.2017 - 4500H+ B (Electrometric Method),: 2017
376	CHEMICAL- WATER	Surface/ Ground Water	Phenol/Phenolic Compound (C ₆ H ₅ OH)	IS:3025(Part-43):1992 RA: 2014
377	CHEMICAL- WATER	Surface/ Ground Water	Phenol/Phenolic Compound (C ₆ H ₅ OH)	APHA 23rd Edn.2017 - 5530 C (Chloroform Extraction Method): 2017
378	CHEMICAL- WATER	Surface/ Ground Water	Phosphorus (as P/PO ₄)	IS:3025(Part-31):1988 RA: 2014
379	CHEMICAL- WATER	Surface/ Ground Water	Phosphorus (as P/PO ₄)	APHA-4500 P (D)- 23rd Ed. RA: 2017



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name TESTING LABORATORY, EMM TECH CALIBRATION, D1/ 65, SANJAY COLONY,
NIMS HOSPITAL ROAD, SECTOR-23, FARIDABAD, HARYANA , INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5498 Page No. : 37 / 59

Validity 05/07/2019 to 04/07/2021 Last Amended on 24/03/2020

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
380	CHEMICAL- WATER	Surface/ Ground Water	Potassium (as K)	IS:3025(Part-45):1993 Flame Photometry method, RA: 2014
381	CHEMICAL- WATER	Surface/ Ground Water	Potassium (as K)	APHA 23rd Edn.2017 -3500 K-D (Flame Emission Photometric Method): 2017
382	CHEMICAL- WATER	Surface/ Ground Water	Residual Free Chlorine	APHA-4500Cl B-23rd Ed. RA: 2017
383	CHEMICAL- WATER	Surface/ Ground Water	Residual Free Chlorine	IS:3025(Part-26):1986 RA: 2014
384	CHEMICAL- WATER	Surface/ Ground Water	Silica (as SiO ₂)	IS:3025(Part-35):1988, Molybdosilicate method, RA: 2014
385	CHEMICAL- WATER	Surface/ Ground Water	Silica (as SiO ₂)	APHA 23rd Edn.2017 - 4500 SiO ₂ (Molybdosilicate method): 2017
386	CHEMICAL- WATER	Surface/ Ground Water	Sodium (as Na)	IS:3025(Part-45):1993 Flame Photometry method, RA: 2014
387	CHEMICAL- WATER	Surface/ Ground Water	Sodium (as Na)	APHA 23rd Edn.2017 -3500 Na-B (Flame Emission Photometric Method): 2017
388	CHEMICAL- WATER	Surface/ Ground Water	Sulphate (as SO ₄)	APHA 23rd Edn.2017 - 4500 SO ₄ -2 E (Turbidimetric Method): 2017



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name TESTING LABORATORY, EMM TECH CALIBRATION, D1/ 65, SANJAY COLONY,
NIMS HOSPITAL ROAD, SECTOR-23, FARIDABAD, HARYANA , INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5498 Page No. : 38 / 59

Validity 05/07/2019 to 04/07/2021 Last Amended on 24/03/2020

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
389	CHEMICAL- WATER	Surface/ Ground Water	Sulphate (as SO ₄)	IS 3025 (Part 24) Turbidity Method: 1986 Reaffirmed: 2014
390	CHEMICAL- WATER	Surface/ Ground Water	Sulphide (as H ₂ S)	IS:3025(Part-29):1986, Iodometric method, RA: 2014
391	CHEMICAL- WATER	Surface/ Ground Water	Sulphide (as H ₂ S)	APHA 23rd Edn.2017 - 4500 S ₂ F (Iodometric Method): 2017
392	CHEMICAL- WATER	Surface/ Ground Water	Taste	APHA-2160 C-23rd Ed. RA: 2017
393	CHEMICAL- WATER	Surface/ Ground Water	Taste	IS:3025(Part-8): 1984 RA: 2012
394	CHEMICAL- WATER	Surface/ Ground Water	Temperature	IS:3025(Part-9):1984 RA: 2006
395	CHEMICAL- WATER	Surface/ Ground Water	Temperature	APHA-2550 B-23rd Ed. RA: 2017
396	CHEMICAL- WATER	Surface/ Ground Water	Total Dissolved Solid	IS:3025(Part-16):1984 RA: 2012
397	CHEMICAL- WATER	Surface/ Ground Water	Total Dissolved Solid	APHA-2540 (C)- 23rd Ed. RA: 2017
398	CHEMICAL- WATER	Surface/ Ground Water	Total Kjeldahl Nitrogen (as N)	IS:3025(Part-34):1988 RA: 2014
399	CHEMICAL- WATER	Surface/ Ground Water	Total Kjeldahl Nitrogen (as N)	APHA 23rd Edn.2017 - 4500 N org-(Macro Kjeldahl Method): 2017



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name TESTING LABORATORY, EMM TECH CALIBRATION, D1/ 65, SANJAY COLONY,
NIMS HOSPITAL ROAD, SECTOR-23, FARIDABAD, HARYANA , INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5498 Page No. : 39 / 59

Validity 05/07/2019 to 04/07/2021 Last Amended on 24/03/2020

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
400	CHEMICAL- WATER	Surface/ Ground Water	Total Suspended Solid	IS:3025(Part-17):1984 RA: 2012
401	CHEMICAL- WATER	Surface/ Ground Water	Total Suspended Solid	APHA-2540 D-23rd Ed. RA: 2017
402	CHEMICAL- WATER	Surface/ Ground Water	Turbidity	APHA 23rd Edn.2017 -2130 B (Nephelometric Method): 2017
403	CHEMICAL- WATER	Surface/ Ground Water	Turbidity	IS:3025(Part-10):1984 RA: 2012
404	CHEMICAL- WATER	Swimming Pool Water	Alkalinity	APHA 23rd Edn.2017 -2320 B (Titration Method): 2017
405	CHEMICAL- WATER	Swimming Pool Water	Alkalinity	IS:3025(Part-23):1986 RA: 2014
406	CHEMICAL- WATER	Swimming Pool Water	Chloride (as Cl-)	IS 3025 (Part 32) Argentometric method: 1988 Reaffirmed: 2014
407	CHEMICAL- WATER	Swimming Pool Water	Chloride (as Cl-)	APHA 23rd Edn.2017 -- 4500Cl- B (Argentometric Method): 2017
408	CHEMICAL- WATER	Swimming Pool Water	Colour / Appearance	IS:3025(Part-4):1983 RA: 2012
409	CHEMICAL- WATER	Swimming Pool Water	Colour / Appearance	APHA 23rd Edn.2017 - 2120B, (Visual Comparision Method): 2017



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name TESTING LABORATORY, EMM TECH CALIBRATION, D1/ 65, SANJAY COLONY,
NIMS HOSPITAL ROAD, SECTOR-23, FARIDABAD, HARYANA , INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5498 Page No. : 40 / 59

Validity 05/07/2019 to 04/07/2021 Last Amended on 24/03/2020

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
410	CHEMICAL- WATER	Swimming Pool Water	Odour	IS:3025(Part-5): 1983 RA: 2012
411	CHEMICAL- WATER	Swimming Pool Water	pH	APHA 23rd Edn.2017 - 4500H+ B (Electrometric Method): 2017
412	CHEMICAL- WATER	Swimming Pool Water	pH	IS 3025 (Part 11) Electrometric method: 1983 Reaffirmed: 2017
413	CHEMICAL- WATER	Swimming Pool Water	Residual Free Chlorine	APHA-4500Cl B-23rd Ed. RA: 2017
414	CHEMICAL- WATER	Swimming Pool Water	Residual Free Chlorine	IS:3025(Part-26):1986 RA: 2014
415	CHEMICAL- WATER	Swimming Pool Water	Taste	IS:3025(Part-8): 1984 RA: 2012
416	CHEMICAL- WATER	Swimming Pool Water	Taste	APHA-2160 C-23rd Ed. RA: 2017
417	CHEMICAL- WATER	Swimming Pool Water	Total Dissolved Solid	IS:3025(Part-16):1984 RA: 2012
418	CHEMICAL- WATER	Swimming Pool Water	Total Dissolved Solid	APHA-2540 (C)- 23rd Ed. RA: 2017
419	CHEMICAL- WATER	Swimming Pool Water	Turbidity	IS:3025(Part-10):1984 RA: 2012
420	CHEMICAL- WATER	Swimming Pool Water	Turbidity	APHA 23rd Edn.2017 -2130 B (Nephelometric Method): 2017



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name TESTING LABORATORY, EMM TECH CALIBRATION, D1/ 65, SANJAY COLONY,
NIMS HOSPITAL ROAD, SECTOR-23, FARIDABAD, HARYANA , INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5498 Page No. : 41 / 59

Validity 05/07/2019 to 04/07/2021 Last Amended on 24/03/2020

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
421	MECHANICAL-BUILDINGS MATERIALS	Aggregate (Coarse)	10% fine Value	IS 2386(Part-4):1963 RA : 2016
422	MECHANICAL-BUILDINGS MATERIALS	Aggregate (Coarse)	Aggregate Crushing Value	IS 2386(Part-4):1963 RA: 2016
423	MECHANICAL-BUILDINGS MATERIALS	Aggregate (Coarse)	Bulk Density	IS 2386(Part-3):1963 RA: 2016
424	MECHANICAL-BUILDINGS MATERIALS	Aggregate (Coarse)	Elongation Index	IS 2386(Part-1):1963 RA: 2016
425	MECHANICAL-BUILDINGS MATERIALS	Aggregate (Coarse)	Flakiness Index	IS 2386(Part-1):1963 RA: 2016
426	MECHANICAL-BUILDINGS MATERIALS	Aggregate (Coarse)	Grain Size Analysis	IS 2386(Part-1):1963 RA: 2016
427	MECHANICAL-BUILDINGS MATERIALS	Aggregate (Coarse)	Impact Value	IS 2386(Part-4):1963 RA: 2016
428	MECHANICAL-BUILDINGS MATERIALS	Aggregate (Coarse)	Los Angles Abrasion Test	IS 2386(Part-4):1963 RA: 2016
429	MECHANICAL-BUILDINGS MATERIALS	Aggregate (Coarse)	Material finer than 75 micron	IS 2386(Part-1):1963 RA: 2016



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name TESTING LABORATORY, EMM TECH CALIBRATION, D1/ 65, SANJAY COLONY,
NIMS HOSPITAL ROAD, SECTOR-23, FARIDABAD, HARYANA , INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5498 Page No. : 42 / 59

Validity 05/07/2019 to 04/07/2021 Last Amended on 24/03/2020

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
430	MECHANICAL- BUILDINGS MATERIALS	Aggregate (Coarse)	Soundness Test	IS 2386(Part-5):1963 RA: 2016
431	MECHANICAL- BUILDINGS MATERIALS	Aggregate (Coarse)	Specific Gravity	IS 2386(Part-3):1963 RA: 2016
432	MECHANICAL- BUILDINGS MATERIALS	Aggregate (Coarse)	Water Absorption	IS 2386(Part-3):1963 RA: 2016
433	MECHANICAL- BUILDINGS MATERIALS	Aggregate (Fine)	Bulk Density	IS 2386(Part-3):1963 RA: 2016
434	MECHANICAL- BUILDINGS MATERIALS	Aggregate (Fine)	Material finer than 75 micron	IS 2386(Part-1):1963 RA: 2016
435	MECHANICAL- BUILDINGS MATERIALS	Aggregate (Fine)	Sieve Analysis	IS 2386(Part-1):1963 RA: 2016
436	MECHANICAL- BUILDINGS MATERIALS	Aggregate (Fine)	Soundness Test	IS 2386(Part-5):1963 RA: 2016
437	MECHANICAL- BUILDINGS MATERIALS	Aggregate (Fine)	Specific Gravity	IS 2386(Part-3):1963 RA: 2016
438	MECHANICAL- BUILDINGS MATERIALS	Aggregate (Fine)	Water Absorption	IS 2386(Part-3):1963 RA: 2016



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name TESTING LABORATORY, EMM TECH CALIBRATION, D1/ 65, SANJAY COLONY,
NIMS HOSPITAL ROAD, SECTOR-23, FARIDABAD, HARYANA , INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5498 Page No. : 43 / 59

Validity 05/07/2019 to 04/07/2021 Last Amended on 24/03/2020

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
439	MECHANICAL-BUILDINGS MATERIALS	Bitumen	Ductility	IS 1208:1978 RA: 2014
440	MECHANICAL-BUILDINGS MATERIALS	Bitumen	Flash Point	IS 1448(Part-69): 2013
441	MECHANICAL-BUILDINGS MATERIALS	Bitumen	Loss on Heating	IS 1212:1978 RA: 2014
442	MECHANICAL-BUILDINGS MATERIALS	Bitumen	Softening Point	IS 1205:1978 RA: 2014
443	MECHANICAL-BUILDINGS MATERIALS	Bitumen	Solubility in Trichloroethylene	IS 1216:1978 RA: 2014
444	MECHANICAL-BUILDINGS MATERIALS	Brick (Brunt Clay Brick)	Compressive Strength	IS 3495(Part-1):1992 RA: 2016
445	MECHANICAL-BUILDINGS MATERIALS	Brick (Brunt Clay Brick)	Dimension (Height)	IS 1077-1992 RA: 2016
446	MECHANICAL-BUILDINGS MATERIALS	Brick (Brunt Clay Brick)	Dimension (Length)	IS 1077:1992 RA: 2016
447	MECHANICAL-BUILDINGS MATERIALS	Brick (Brunt Clay Brick)	Dimension (Width)	IS 1077:1992 RA: 2016



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name TESTING LABORATORY, EMM TECH CALIBRATION, D1/ 65, SANJAY COLONY,
NIMS HOSPITAL ROAD, SECTOR-23, FARIDABAD, HARYANA , INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5498 Page No. : 44 / 59

Validity 05/07/2019 to 04/07/2021 Last Amended on 24/03/2020

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
448	MECHANICAL-BUILDINGS MATERIALS	Brick (Brunt Clay Brick)	Efflorescence	IS 3495(Part-3):1992 RA: 2016
449	MECHANICAL-BUILDINGS MATERIALS	Brick (Brunt Clay Brick)	Water Absorption	IS 3495(Part-2):1992 RA: 2016
450	MECHANICAL-BUILDINGS MATERIALS	Brick (Brunt Clay Fly Ash Brick)	Compressive Strength	IS 3495(Part-1):1992 RA: 2016
451	MECHANICAL-BUILDINGS MATERIALS	Brick (Brunt Clay Fly Ash Brick)	Dimension (Height)	IS 13757:1993 RA: 2016
452	MECHANICAL-BUILDINGS MATERIALS	Brick (Brunt Clay Fly Ash Brick)	Dimension (Length)	IS 13757:1993 RA: 2016
453	MECHANICAL-BUILDINGS MATERIALS	Brick (Brunt Clay Fly Ash Brick)	Dimension (Width)	IS 13757:1993 RA: 2016
454	MECHANICAL-BUILDINGS MATERIALS	Brick (Brunt Clay Fly Ash Brick)	Efflorescence	IS 3495(Part-3):1992 RA : 2016
455	MECHANICAL-BUILDINGS MATERIALS	Brick (Brunt Clay Fly Ash Brick)	Water Absorption	IS 3495(Part-2):1992 RA: 2016
456	MECHANICAL-BUILDINGS MATERIALS	Brick (Fly As Brick)	Dimension (Length)	IS 12894:2002 RA: 2017



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name TESTING LABORATORY, EMM TECH CALIBRATION, D1/ 65, SANJAY COLONY,
NIMS HOSPITAL ROAD, SECTOR-23, FARIDABAD, HARYANA , INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5498 Page No. : 45 / 59

Validity 05/07/2019 to 04/07/2021 Last Amended on 24/03/2020

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
457	MECHANICAL-BUILDINGS MATERIALS	Brick (Fly Ash Brick)	Compressive Strength	IS 3495(Part-1):1992 RA: 2016
458	MECHANICAL-BUILDINGS MATERIALS	Brick (Fly Ash Brick)	Dimension (Height)	IS 12894:2002 RA: 2017
459	MECHANICAL-BUILDINGS MATERIALS	Brick (Fly Ash Brick)	Dimension (Width)	IS 12894:2002 RA: 2017
460	MECHANICAL-BUILDINGS MATERIALS	Brick (Fly Ash Brick)	Efflorescence	IS 3495(Part-3):1992 RA: 2016
461	MECHANICAL-BUILDINGS MATERIALS	Brick (Fly Ash Brick)	Water Absorption	IS 3495(Part-2):1992 RA: 2016
462	MECHANICAL-BUILDINGS MATERIALS	Brick (Sewer Brick)	Compressive Strength	IS 3495(Part-1):1992 RA: 2016
463	MECHANICAL-BUILDINGS MATERIALS	Brick (Sewer Brick)	Dimension (Height)	IS 4885:1988 RA: 2016
464	MECHANICAL-BUILDINGS MATERIALS	Brick (Sewer Brick)	Dimension (Length)	IS 4885:1988 RA: 2016
465	MECHANICAL-BUILDINGS MATERIALS	Brick (Sewer Brick)	Dimension (Width)	IS 4885:1988 RA: 2016



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name TESTING LABORATORY, EMM TECH CALIBRATION, D1/ 65, SANJAY COLONY,
NIMS HOSPITAL ROAD, SECTOR-23, FARIDABAD, HARYANA , INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5498 Page No. : 46 / 59

Validity 05/07/2019 to 04/07/2021 Last Amended on 24/03/2020

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
466	MECHANICAL-BUILDINGS MATERIALS	Brick (Sewer Brick)	Efflorescence	IS 3495(Part-3):1992 RA: 2016
467	MECHANICAL-BUILDINGS MATERIALS	Brick (Sewer Brick)	Water Absorption	IS 3495(Part-2):1992 RA: 2016
468	MECHANICAL-BUILDINGS MATERIALS	Butumen	Penetration	IS 1203:1978 RA: 2014
469	MECHANICAL-BUILDINGS MATERIALS	Cement	Compressive Strength	IS 4031(Part-6):1988 RA: 2014
470	MECHANICAL-BUILDINGS MATERIALS	Cement	Compressive Strength (672 Hours)	IS 4031(Part-6):1988 RA: 2014
471	MECHANICAL-BUILDINGS MATERIALS	Cement	Compressive Strength (72 Hours)	IS 4031(Part-6):1988 RA : 2014
472	MECHANICAL-BUILDINGS MATERIALS	Cement	Consistency	IS 4031(Part-4):1988 RA: 2014
473	MECHANICAL-BUILDINGS MATERIALS	Cement	Density	IS 4031(Part-11):1988 RA: 2014
474	MECHANICAL-BUILDINGS MATERIALS	Cement	Final Setting Time	IS 4031(Part-5):1988 RA: 2014



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name TESTING LABORATORY, EMM TECH CALIBRATION, D1/ 65, SANJAY COLONY,
NIMS HOSPITAL ROAD, SECTOR-23, FARIDABAD, HARYANA , INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5498 Page No. : 47 / 59

Validity 05/07/2019 to 04/07/2021 Last Amended on 24/03/2020

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
475	MECHANICAL-BUILDINGS MATERIALS	Cement	Fineness (Blaine Air Permeability)	IS 4031(Part-2):1999 RA: 2013
476	MECHANICAL-BUILDINGS MATERIALS	Cement	Fineness (Dry Sieve Method)	IS 4031(Part-1):1996 RA : 2016
477	MECHANICAL-BUILDINGS MATERIALS	Cement	Initial Setting Time	IS 4031(Part-5):1988 RA: 2014
478	MECHANICAL-BUILDINGS MATERIALS	Cement	Soundness (Autoclave Method)	IS 4031(Part-3):1988 RA: 2014
479	MECHANICAL-BUILDINGS MATERIALS	Cement	Soundness (Le-Chatelier Method)	IS 4031(Part-3):1988 RA: 2014
480	MECHANICAL-BUILDINGS MATERIALS	Cement Concrete Flooring Tile	Resistance to Wear	IS: 13801: 2013
481	MECHANICAL-BUILDINGS MATERIALS	Ceramic Tiles	Bulk Density	IS 13630(Part-2):2006 RA: 2016
482	MECHANICAL-BUILDINGS MATERIALS	Ceramic Tiles	Length	IS 13630(Part-1):2006 RA: 2017
483	MECHANICAL-BUILDINGS MATERIALS	Ceramic Tiles	Rectangularity	IS 13630(Part-1):2006 RA: 2016



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name TESTING LABORATORY, EMM TECH CALIBRATION, D1/ 65, SANJAY COLONY,
NIMS HOSPITAL ROAD, SECTOR-23, FARIDABAD, HARYANA , INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5498 Page No. : 48 / 59

Validity 05/07/2019 to 04/07/2021 Last Amended on 24/03/2020

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
484	MECHANICAL-BUILDINGS MATERIALS	Ceramic Tiles	Resistance to Household Chemicals	IS 13630(Part-8):2006 RA: 2016
485	MECHANICAL-BUILDINGS MATERIALS	Ceramic Tiles	Resistance to Staining	IS 13630(Part-8):2006 RA: 2016
486	MECHANICAL-BUILDINGS MATERIALS	Ceramic Tiles	Scratch Hardness of Surface	IS 13630(Part-13):2006 RA: 2016
487	MECHANICAL-BUILDINGS MATERIALS	Ceramic Tiles	Straightness of Side	IS 13630(Part-1):2006 RA: 2017
488	MECHANICAL-BUILDINGS MATERIALS	Ceramic Tiles	Surface Flatness	IS 13630(Part-1):2006 RA: 2016
489	MECHANICAL-BUILDINGS MATERIALS	Ceramic Tiles	Surface Quality	IS 13630(Part-1):2006 RA: 2016
490	MECHANICAL-BUILDINGS MATERIALS	Ceramic Tiles	Thickness	IS 13630(Part-1):2006 RA: 2017
491	MECHANICAL-BUILDINGS MATERIALS	Ceramic Tiles	Water Absorption	IS 13630(Part-2):2006 RA: 2016
492	MECHANICAL-BUILDINGS MATERIALS	Ceramic Tiles	Width	IS 13630(Part-1):2006 RA: 2017



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name TESTING LABORATORY, EMM TECH CALIBRATION, D1/ 65, SANJAY COLONY,
NIMS HOSPITAL ROAD, SECTOR-23, FARIDABAD, HARYANA , INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5498 Page No. : 49 / 59

Validity 05/07/2019 to 04/07/2021 Last Amended on 24/03/2020

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
493	MECHANICAL- BUILDINGS MATERIALS	Chequered Cement Concrete Tiles	Dimension-Length	IS:13801: : 2013
494	MECHANICAL- BUILDINGS MATERIALS	Chequered Cement Concrete Tiles	Dimensions- Thickness	IS 13801: 2013
495	MECHANICAL- BUILDINGS MATERIALS	Chequered Cement Concrete Tiles	Dimensions Width	IS 13801: 2013
496	MECHANICAL- BUILDINGS MATERIALS	Chequered Cement Concrete Tile	Flatness of the Surface	IS:13801: 2013
497	MECHANICAL- BUILDINGS MATERIALS	Chequered Cement Concrete Tile	Resistance to Wear	IS:13801: 2013
498	MECHANICAL- BUILDINGS MATERIALS	Chequered Cement Concrete Tile	Straightness	IS:13801: 2013
499	MECHANICAL- BUILDINGS MATERIALS	Chequered Cement Concrete Tile	Thickness of wearing layer	IS:13801: 2013
500	MECHANICAL- BUILDINGS MATERIALS	Chequered Cement Concrete Tile	Water Absorption %	IS;13801: 2013
501	MECHANICAL- BUILDINGS MATERIALS	Chequered Cement Concrete Tile	Wet Transverse Strength	IS:1237: 2012



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name TESTING LABORATORY, EMM TECH CALIBRATION, D1/ 65, SANJAY COLONY,
NIMS HOSPITAL ROAD, SECTOR-23, FARIDABAD, HARYANA , INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5498 Page No. : 50 / 59

Validity 05/07/2019 to 04/07/2021 Last Amended on 24/03/2020

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
502	MECHANICAL-BUILDINGS MATERIALS	Chequered Cement Concrete Tiles	Flatness of the Tile surface	IS:13801: 2013
503	MECHANICAL-BUILDINGS MATERIALS	Chequered Cement Concrete Tiles	Perpendicularity	IS:13801: 2013
504	MECHANICAL-BUILDINGS MATERIALS	Concrete	Accelerated Compressive Strength by Boiling Water Method	IS 9013-1978 RA: 2013
505	MECHANICAL-BUILDINGS MATERIALS	Concrete	Compressive Strength (20 KN to 2000 KN)	IS 516-1959 RA: 2013
506	MECHANICAL-BUILDINGS MATERIALS	Concrete Block for Paving (Paver Block)	Compressive Strength	IS 15658:2006: 2017
507	MECHANICAL-BUILDINGS MATERIALS	Concrete Block for Paving (Paver Block)	Water Absorption	IS 15658:2006 RA: 2017
508	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Cast Iron Fittings for Pressure Pipes for Water, Gas & Sewage	Mass	IS 1538:1993 RA: 2013
509	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Cast Iron/Ductile Iron Drainage Pipes	Mass	IS 1729: 2002



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name TESTING LABORATORY, EMM TECH CALIBRATION, D1/ 65, SANJAY COLONY,
NIMS HOSPITAL ROAD, SECTOR-23, FARIDABAD, HARYANA , INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5498 Page No. : 51 / 59

Validity 05/07/2019 to 04/07/2021 Last Amended on 24/03/2020

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
510	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Centrifugally Cast Iron Pressure pipes for Water, Gas & Sewage application	Mass	IS 1536:2001 RA: 2012
511	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Dimensions for Hot Rolled Steel Beam, Column, Channel & Angle Sections	Mass	IS:808: 1989 RA: 2004
512	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Galvanized Steel Barbed Wire for Fencing	Mass	IS 278: 2009
513	MECHANICAL- MECHANICAL PROPERTIES OF METALS	High Strength Deformed steel, bars & wires for Concrete reinforcement	Mass	IS 1786: 2008
514	MECHANICAL- MECHANICAL PROPERTIES OF METALS	High Strength Deformed steel, bars & wires for Concrete reinforcement, Structural Steel	0.2% proof stress	IS 1608(Part-1): 2018
515	MECHANICAL- MECHANICAL PROPERTIES OF METALS	High Strength Deformed steel, bars & wires for Concrete reinforcement, Structural Steel	Bend Test	IS 1599: 2012
516	MECHANICAL- MECHANICAL PROPERTIES OF METALS	High Strength Deformed steel, bars & wires for Concrete reinforcement, Structural Steel	Percentage Elongation	IS 1608(Part-1): 2018



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name TESTING LABORATORY, EMM TECH CALIBRATION, D1/ 65, SANJAY COLONY,
NIMS HOSPITAL ROAD, SECTOR-23, FARIDABAD, HARYANA , INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5498 Page No. : 52 / 59

Validity 05/07/2019 to 04/07/2021 Last Amended on 24/03/2020

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
517	MECHANICAL- MECHANICAL PROPERTIES OF METALS	High Strength Deformed steel, bars & wires for Concrete reinforcement, Structural Steel	Rebend Test	IS 1786: 2008
518	MECHANICAL- MECHANICAL PROPERTIES OF METALS	High Strength Deformed steel, bars & wires for Concrete reinforcement, Structural Steel	Tensile Strength	IS 1608(Part-1): 2018
519	MECHANICAL- MECHANICAL PROPERTIES OF METALS	High Strength Deformed steel, bars & wires for Concrete reinforcement, Structural Steel	Total Elongation at maximum force	IS 1608(Part-1): 2018
520	MECHANICAL- MECHANICAL PROPERTIES OF METALS	High Strength Deformed steel, bars & wires for Concrete reinforcement, Structural Steel	TS/YS Ratio	IS 1786: 2008
521	MECHANICAL- MECHANICAL PROPERTIES OF METALS	HOLLOW STEEL SECTIONS FOR STRUCTURAL USE	Mass	IS 4923: 2017
522	MECHANICAL- MECHANICAL PROPERTIES OF METALS	HOT ROLLED CARBON STEEL SHEET AND STRIP	Dimensions	IS 1079: 2009
523	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Hot Rolled Medium and High Tensile Structural Steel	Bend Test	IS 1599: 2012



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name TESTING LABORATORY, EMM TECH CALIBRATION, D1/ 65, SANJAY COLONY,
NIMS HOSPITAL ROAD, SECTOR-23, FARIDABAD, HARYANA , INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5498 Page No. : 53 / 59

Validity 05/07/2019 to 04/07/2021 Last Amended on 24/03/2020

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
524	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Hot Rolled Medium and High Tensile Structural Steel	Percentage Elongation	IS 1608(Part-1): 2018
525	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Hot Rolled Medium and High Tensile Structural Steel	Tensile Strength	IS 1608(Part-1): 2018
526	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Hot Rolled Medium and High Tensile Structural Steel	Yield Stress	IS 1608(Part-1): 2018
527	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Specification for Rolling & Cutting Tolerance for Hot Rolled Steel Products	Mass	IS:1852:1985 RA: 2008
528	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel Bars round and Square for structural and general engineering purpose	Dimensions	IS 1732: 1989
529	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel Bars, Round & Square for Structural & General Engg. Purpose	Mass	IS:1732:1989 RA: 2004
530	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel Pipes	Flattening Test	IS 2328: 2018



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name TESTING LABORATORY, EMM TECH CALIBRATION, D1/ 65, SANJAY COLONY,
NIMS HOSPITAL ROAD, SECTOR-23, FARIDABAD, HARYANA , INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5498 Page No. : 54 / 59

Validity 05/07/2019 to 04/07/2021 Last Amended on 24/03/2020

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
531	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel Plates	Sides (Length, Width)	IS 1730: 1989
532	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel Plates	Thickness	IS 1730: 1989
533	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel plates, sheets, Strips & Flats for Structural & General Engg. Purposes- Dimension	Mass	IS:1730:1989 RA: 2014
534	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel Products (Angle, Channel, Beam)	Depth	IS 808: 1989
535	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel Tubes for Structural Purposes	Diameter	IS 1161: 2014
536	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel Tubes for Structural Purposes- Specification	Mass	IS:1161:2014 RA: 2014
537	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel Tubes Used for Water Wells	Dimensions	IS 4270: 2001



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name TESTING LABORATORY, EMM TECH CALIBRATION, D1/ 65, SANJAY COLONY,
NIMS HOSPITAL ROAD, SECTOR-23, FARIDABAD, HARYANA , INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5498 Page No. : 55 / 59

Validity 05/07/2019 to 04/07/2021 Last Amended on 24/03/2020

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
538	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel Tubes, Tubulars and Other Wrought Fittings Part 1: Steel Tubes	Mass	IS 1239(Part-1): 2004
539	MECHANICAL- MECHANICAL PROPERTIES OF METALS	WROUGHT ALUMINIUM AND ALUMINIUMALLOYS — EXTRUDED ROUND TUBE AND HOLLOWSECTIONS FOR GENERAL ENGINEERINGPURPOSES	Dimensions	IS 1285: 2002
540	MECHANICAL- SOIL AND ROCK	Rock	Density by Saturation and Caliper Techniques	IS 13030:1991 RA: 2016
541	MECHANICAL- SOIL AND ROCK	Rock	Point Load Strength	IS 8764:1979 RA: 2014
542	MECHANICAL- SOIL AND ROCK	Rock	Porosity by Saturation and Caliper Techniques	IS 13030:1991 RA: 2016
543	MECHANICAL- SOIL AND ROCK	Rock	Slake Durability Test	IS 10050:1981 RA: 2016
544	MECHANICAL- SOIL AND ROCK	Rock	Tensile Strength of Rock (Brazilian Test)	IS 10082:1981 RA: 2016
545	MECHANICAL- SOIL AND ROCK	Rock	Unconfined Compressive Strength	IS 9143:1979 RA: 2016
546	MECHANICAL- SOIL AND ROCK	Rock	Water Content	IS 13030:1991 RA: 2016
547	MECHANICAL- SOIL AND ROCK	Soil	California Bearing Ratio (CBR)	IS 2720(Part-16):1987 RA: 2016
548	MECHANICAL- SOIL AND ROCK	Soil	Consolidated Drained (CD) (C)	BS EN ISO 17892-9: 2018



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name TESTING LABORATORY, EMM TECH CALIBRATION, D1/ 65, SANJAY COLONY,
NIMS HOSPITAL ROAD, SECTOR-23, FARIDABAD, HARYANA , INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5498 Page No. : 56 / 59

Validity 05/07/2019 to 04/07/2021 Last Amended on 24/03/2020

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
549	MECHANICAL- SOIL AND ROCK	Soil	Consolidated Drained (CD) (phi)	BS EN ISO 17892-9: 2018
550	MECHANICAL- SOIL AND ROCK	Soil	Consolidated Undrained (CU) with pore water pressure measurement - Angle of Shearing Resistance (phi)	IS 2720(Part-12):1981 RA: 2016
551	MECHANICAL- SOIL AND ROCK	Soil	Consolidated Undrained (CU) with pore water water pressure measurement - Cohesion (C)	IS 2720(Part-12):1981 RA: 2016
552	MECHANICAL- SOIL AND ROCK	Soil	Consolidation - Preconsolidation Pressure	IS 2720(Part-15):1986 RA: 2016
553	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear - Angle of Shearing Resistance (phi)	IS 2720(Part-13):1986 RA: 2016
554	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear - Cohesion (C)	IS 2720(Part-13):1986 RA: 2016
555	MECHANICAL- SOIL AND ROCK	Soil	Free Swell Index	IS 2720(Part-40):1986 RA: 2016
556	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis	IS 2720(Part-4):1985 RA: 2015
557	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis by Hydrometer	IS 2720(Part-4):1985 RA: 2015
558	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction (MDD)	IS 2720(Part-8):1983 RA: 2015
559	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction (OMC)	IS 2720(Part-8):2015 RA: 2015
560	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction (MDD)	IS 2720(Part-7):1980 RA: 2016
561	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction (OMC)	IS 2720(Part-7):1980 RA: 2016



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name TESTING LABORATORY, EMM TECH CALIBRATION, D1/ 65, SANJAY COLONY,
NIMS HOSPITAL ROAD, SECTOR-23, FARIDABAD, HARYANA , INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5498 Page No. : 57 / 59

Validity 05/07/2019 to 04/07/2021 Last Amended on 24/03/2020

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
562	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit by Cone Penetrometer	IS 2720(Part-5):1985 RA: 2015
563	MECHANICAL- SOIL AND ROCK	Soil	Permeability by Falling Head Method	IS 2720(Part-17):1986 RA: 2016
564	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS 2720(Part-5):1985 RA: 2015
565	MECHANICAL- SOIL AND ROCK	Soil	Shrinkage Limit	IS 2720(Part-6):1972 RA: 2016
566	MECHANICAL- SOIL AND ROCK	Soil	Specific Gravity	IS 2720(Part 3/ Section-2):1980 RA: 2016
567	MECHANICAL- SOIL AND ROCK	Soil	Swelling Pressure	IS 2720(Part-41):1977 RA: 2016
568	MECHANICAL- SOIL AND ROCK	Soil	Triaxial Compression - UU (C)	IS 2720(Part-11):1993 RA: 2016
569	MECHANICAL- SOIL AND ROCK	Soil	Triaxial Compression - UU (phi)	IS 2720(Part-11):1993 RA: 2016
570	MECHANICAL- SOIL AND ROCK	Soil	Unconfined Compressive Strength	IS 2720(Part-10):1991 RA: 2015
571	MECHANICAL- SOIL AND ROCK	Soil	Water Content by Oven Drying Method	IS 2720(Part-2):1973 RA: 2015
572	MECHANICAL- SOIL AND ROCK	Stone (Granite, Kota, Marble)	Density by Saturation and Caliper Techniques	IS 13030:1991 RA: 2016
573	MECHANICAL- SOIL AND ROCK	Stone (Granite, Kota, Marble)	Water Content	IS 13030:1991 RA: 2016
574	MECHANICAL- SOIL AND ROCK	Stones (Granite, Kota, Marble)	Apparent Specific Gravity	IS 1124:1974 RA: 2017



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name TESTING LABORATORY, EMM TECH CALIBRATION, D1/ 65, SANJAY COLONY,
NIMS HOSPITAL ROAD, SECTOR-23, FARIDABAD, HARYANA , INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5498 Page No. : 58 / 59

Validity 05/07/2019 to 04/07/2021 Last Amended on 24/03/2020

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
575	MECHANICAL- SOIL AND ROCK	Stones (Granite, Kota, Marble)	Specific Gravity	IS 1122:1974 RA: 2017
576	MECHANICAL- SOIL AND ROCK	Stones (Granite, Kota, Marble)	Water Absorption	IS 1124:1974 RA: 2017
577	MECHANICAL- WOOD AND WOOD PRODUCTS	Plywood	Density	IS 1734(Part-1):1983 RA: 2013
578	MECHANICAL- WOOD AND WOOD PRODUCTS	Plywood	Dimension (Length)	IS 303:1989 RA: 2013
579	MECHANICAL- WOOD AND WOOD PRODUCTS	Plywood	Dimension (Thickness)	IS 303:1989 RA: 2013
580	MECHANICAL- WOOD AND WOOD PRODUCTS	Plywood	Dimension (Width)	IS 303:1989 RA: 2013
581	MECHANICAL- WOOD AND WOOD PRODUCTS	Plywood	Edge Straightness	IS 303:1989 RA: 2013
582	MECHANICAL- WOOD AND WOOD PRODUCTS	Plywood	Moisture Content	IS 1734(Part-1):1983 RA: 2013
583	MECHANICAL- WOOD AND WOOD PRODUCTS	Plywood	Squareness	IS 303:1989 RA: 2013
584	MECHANICAL- WOOD AND WOOD PRODUCTS	Timber/Wood	Density	IS 1734(Part-1):1983 RA: 2014



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name TESTING LABORATORY, EMM TECH CALIBRATION, D1/ 65, SANJAY COLONY,
NIMS HOSPITAL ROAD, SECTOR-23, FARIDABAD, HARYANA , INDIA

Accreditation Standard ISO/IEC 17025:2017

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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
585	MECHANICAL- WOOD AND WOOD PRODUCTS	Timber/Wood	Moisture Content	IS 1708(Part-1):1986 RA: 2015