



National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



SCOPE OF ACCREDITATION

Laboratory Name MITRAVRINDA PVT. LTD. UDAIPUR, F.229-A MEWAR INDUSTRIES AREA UDAIPUR RAJASTHAN INDIA 313001, UDAIPUR, RAJASTHAN , INDIA

Accreditation Standard ISO/IEC 17025:2005

Certificate Number TC-8306 Page No. : 1 / 5

Validity 27/01/2019 to 26/01/2021 Last Amended on -

'In view of the transition deadline for ISO/IEC 17025:2017, the validity of this accreditation certificate will cease on 30.11.2020.'

S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
Permanent Facility					
1	MECHANICAL-BUILDINGS MATERIALS	Aggregate Coarse	Bulk Density	IS 2386 part-3: 1963, RA 2016	1 kg/l to 3 kg/l
2	MECHANICAL-BUILDINGS MATERIALS	Aggregate Coarse	Crushing Value	IS 2386 Part-4: 1963, RA 2016	5 % to 60 %
3	MECHANICAL-BUILDINGS MATERIALS	Aggregate Coarse	Elongation Index	IS 2386 Part -1: 1963, RA 2016	1 % to 70 %
4	MECHANICAL-BUILDINGS MATERIALS	Aggregate Coarse	Flakiness Index	IS 2386 Part-I 1963 RA: 2016	1 % to 70 %
5	MECHANICAL-BUILDINGS MATERIALS	Aggregate Coarse	Impact Value	IS 2386 Part-4 1963 RA : 2016	5 % to 60 %
6	MECHANICAL-BUILDINGS MATERIALS	Aggregate Coarse	Sieve Analysis	IS 2386 Part-I: 1963, RA 2016	4.75 mm to 40 mm
7	MECHANICAL-BUILDINGS MATERIALS	Aggregate Coarse	Specific Gravity	IS 2386 Part-3: 1963, RA 2016	1.5 to 4
8	MECHANICAL-BUILDINGS MATERIALS	Aggregate Coarse	Water Absorption	IS 2386 Part-3: 1963, RA 2016	0.5 % to 10 %
9	MECHANICAL-BUILDINGS MATERIALS	Aggregate Fine	Bulk Density	IS 2386 Part-3: 1963, RA 2016	1 kg/l to 2.5 Kg/l



National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



SCOPE OF ACCREDITATION

Laboratory Name MITRAVRINDA PVT. LTD. UDAIPUR, F.229-A MEWAR INDUSTRIES AREA UDAIPUR RAJASTHAN INDIA 313001, UDAIPUR, RAJASTHAN , INDIA

Accreditation Standard ISO/IEC 17025:2005

Certificate Number TC-8306 Page No. : 2 / 5

Validity 27/01/2019 to 26/01/2021 Last Amended on -

'In view of the transition deadline for ISO/IEC 17025:2017, the validity of this accreditation certificate will cease on 30.11.2020.'

S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
10	MECHANICAL-BUILDINGS MATERIALS	Aggregate Fine	Material Finer than 75 micron	IS 2386 Part 1: 1963, RA 2016	1 % to 25 %
11	MECHANICAL-BUILDINGS MATERIALS	Aggregate Fine	Sieve Analysis	IS:2386 Part-1: 1963, RA 2016	4.75 mm to 75 Microns
12	MECHANICAL-BUILDINGS MATERIALS	Aggregate Fine	Specific Gravity	IS 2386 Part-3: 1963, RA 2016	1.5 to 4
13	MECHANICAL-BUILDINGS MATERIALS	Aggregate Fine	Water Absorption	IS 2386 Part-3 1963 RA: 2016	1 % to 10 %
14	MECHANICAL-BUILDINGS MATERIALS	Aggregate-Fine	Bulking of Fine Aggregate	IS 2386 Part-3: 1963, RA 2016	1 % to 50 %
15	MECHANICAL-BUILDINGS MATERIALS	Bitumen	Ductility	IS 1208 1978 RA: 2004	75 cm to 105 cm
16	MECHANICAL-BUILDINGS MATERIALS	Bitumen	Fire Point	IS 1209 1978 RA: 2004	100 Degree centigrade to 400 degree centigrade
17	MECHANICAL-BUILDINGS MATERIALS	Bitumen	Flash Point	IS 1209 1978 RA: 2004	30 degree centigrade to 380 degree centigrade
18	MECHANICAL-BUILDINGS MATERIALS	Bitumen	Penetration	IS 1203 1978 RA: 2004	50 mm to 100 mm



National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



SCOPE OF ACCREDITATION

Laboratory Name MITRAVRINDA PVT. LTD. UDAIPUR, F.229-A MEWAR INDUSTRIES AREA UDAIPUR RAJASTHAN INDIA 313001, UDAIPUR, RAJASTHAN , INDIA

Accreditation Standard ISO/IEC 17025:2005

Certificate Number TC-8306 Page No. : 3 / 5

Validity 27/01/2019 to 26/01/2021 Last Amended on -

'In view of the transition deadline for ISO/IEC 17025:2017, the validity of this accreditation certificate will cease on 30.11.2020.'

S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
19	MECHANICAL-BUILDINGS MATERIALS	Bitumen	Softening Point	IS 1205 1978 RA: 2016	40 degree centigrade to 55 degree centigrade
20	MECHANICAL-BUILDINGS MATERIALS	Bitumen	Specific Gravity	IS 1202 1978 RA: 2004	0.99 to 1.102
21	MECHANICAL-BUILDINGS MATERIALS	Bitumen MIX	Binder Content	ASTM D 2172 : 2011	1 % to 10 %
22	MECHANICAL-BUILDINGS MATERIALS	Bitumen Mix	Density	ASTM D 2041: 2011	1.5 g/cc to 3.5 g/cc
23	MECHANICAL-BUILDINGS MATERIALS	Bitumen MIX	Flow	ASTM D 6927 -06: 2006	1 mm to 6 mm
24	MECHANICAL-BUILDINGS MATERIALS	Bitumen MIX	Stability	ASTM D 6927-06: 2006	1 KN to 25 KN
25	MECHANICAL-BUILDINGS MATERIALS	Brick	Compressive Strength	IS 3495 Part-I 1992 RA: 2007	1 Mpa to 50 Mpa
26	MECHANICAL-BUILDINGS MATERIALS	Brick	Dimensions	IS:1077 1992 RA: 2007	4520-2160-1360 mm to 4650-2240-1440 mm
27	MECHANICAL-BUILDINGS MATERIALS	Brick	Efflorescence	IS 3495 Part-III -1992: 2007	Qualitative(Visual Observation)



National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



SCOPE OF ACCREDITATION

Laboratory Name MITRAVRINDA PVT. LTD. UDAIPUR, F.229-A MEWAR INDUSTRIES AREA UDAIPUR RAJASTHAN INDIA 313001, UDAIPUR, RAJASTHAN , INDIA

Accreditation Standard ISO/IEC 17025:2005

Certificate Number TC-8306 Page No. : 4 / 5

Validity 27/01/2019 to 26/01/2021 Last Amended on -

'In view of the transition deadline for ISO/IEC 17025:2017, the validity of this accreditation certificate will cease on 30.11.2020.'

S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
28	MECHANICAL-BUILDINGS MATERIALS	Brick	Water Absorption	IS 3495 Part-2 1992 RA: 2007	1 % to 50 %
29	MECHANICAL-BUILDINGS MATERIALS	Cement (OPC/PPC/PSC)	Compressive Strength	IS 4031 Part-6: 1988, RA 2014	1 Mpa to 80 Mpa
30	MECHANICAL-BUILDINGS MATERIALS	Cement (OPC/PPC/PSC)	Density	IS 4031 Part-11 1988 RA: 2005	1.5 to 4
31	MECHANICAL-BUILDINGS MATERIALS	Cement (OPC/PPC/PSC)	Final Setting Time	IS 4031 Part-5 1988 RA: 2014	100 min. to 600 min.
32	MECHANICAL-BUILDINGS MATERIALS	Cement (OPC/PPC/PSC)	Initial Setting Time	IS 4031 Part-5 1988 RA: 2014	15 min. to 350 min.
33	MECHANICAL-BUILDINGS MATERIALS	Cement (OPC/PPC/PSC)	Soundness by Le Chatelier Method	IS 4031 Part -3: 1988, RA 2014	0.5 mm to 10 mm
34	MECHANICAL-BUILDINGS MATERIALS	Cement (OPC/PPC/PSC)	Std. Consistency	IS 4031 Part-4 1988 RA: 2014	10 % to 45 %
35	MECHANICAL-BUILDINGS MATERIALS	Concrete	Compressive Strength	IS 516-1959 RA: 2011	10 Mpa to 80 Mpa
36	MECHANICAL-BUILDINGS MATERIALS	Concrete Paver Block	Water Absorption	IS 15658 -AnnexC: 2006	0.5 % to 20 %



National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



SCOPE OF ACCREDITATION

Laboratory Name MITRAVRINDA PVT. LTD. UDAIPUR, F.229-A MEWAR INDUSTRIES AREA UDAIPUR RAJASTHAN INDIA 313001, UDAIPUR, RAJASTHAN , INDIA

Accreditation Standard ISO/IEC 17025:2005

Certificate Number TC-8306 Page No. : 5 / 5

Validity 27/01/2019 to 26/01/2021 Last Amended on -

'In view of the transition deadline for ISO/IEC 17025:2017, the validity of this accreditation certificate will cease on 30.11.2020.'

S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
37	MECHANICAL- BUILDINGS MATERIALS	Concrete Pavers Blocks	Compressive Strength	IS 15658 Annex-D: 2006	5 N/mm ² to 80 N/mm ²
38	MECHANICAL- SOIL AND ROCK	Soil	California Bearing Ratio	IS 2720 Part-16 1987 RA: 2011	1 % to 60 %
39	MECHANICAL- SOIL AND ROCK	Soil	Free Swell Index	IS 2720 Part-40 1977 RA: 2011	10 % to 100 %
40	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis (Wet Analysis)	IS 2720 Part-4 1985 RA: 2010	75 Micron to 40 mm
41	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction	IS 2720 Part-8 1986 RA: 2011	1.14 gm/cc to 2.6 gm/cc
42	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction	IS 2720 Part-7 1986 RA: 2011	1 gm/cc to 2.1
43	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit	IS 2720 Part-5 1985 RA: 2010	25 % to 80 %
44	MECHANICAL- SOIL AND ROCK	Soil	Moisture Content	IS 2720 Part 2 1985 RA: 2010	1 % to 40 %
45	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS 2720 Part-5 1985 RA: 2010	5 % to 50 %
46	MECHANICAL- SOIL AND ROCK	Soil	Specific Gravity	IS 2720 Part-3 1980 RA: 2011	2.4 to 3