



National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



SCOPE OF ACCREDITATION

Laboratory Name BIRLA CEMENT WORKS QUALITY CONTROL LABORATORIES, P.O. CEMENT FACTORY, MADHAV NAGAR, CHITTORGARH, RAJASTHAN, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5471 Page No. : 1 / 4

Validity 16/05/2019 to 15/05/2021 Last Amended on -

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	CHEMICAL- BUILDING MATERIAL	OPC 43	Al ₂ O ₃	IS:4032 : 2005	0.2 % to 8.0 %
2	CHEMICAL- BUILDING MATERIAL	OPC 43	CaO	IS:4032 : 2005	1.0 % to 65.0 %
3	CHEMICAL- BUILDING MATERIAL	OPC 43	Chloride	IS:4032 : 2005	0.005 % to 0.2 %
4	CHEMICAL- BUILDING MATERIAL	OPC 43	Fe ₂ O ₃	IS:4032 : 2005	0.1 (%) to 5.0 (%)
5	CHEMICAL- BUILDING MATERIAL	OPC 43	IR	IS:4032 : 2005	0.1 (%) to 6.0 (%)
6	CHEMICAL- BUILDING MATERIAL	OPC 43	LOI	IS:4032 : 2005	0.1 (%) to 5.0 (%)
7	CHEMICAL- BUILDING MATERIAL	OPC 43	MgO	IS:4032 : 2005	0.1 (%) to 8.0 (%)
8	CHEMICAL- BUILDING MATERIAL	OPC 43	SiO ₂	IS:4032 : 2005	0.5 (%) to 25.0 (%)
9	CHEMICAL- BUILDING MATERIAL	OPC 43	SO ₃	IS:4032 : 2005	0.1 (%) to 5.0 (%)
10	CHEMICAL- BUILDING MATERIAL	PPC Part-1	Chloride	IS:4032 : 2005	0.005 (%) to 0.2 (%)
11	CHEMICAL- BUILDING MATERIAL	PPC Part-1	IR	IS:4032 : 2005	10.0 (%) to 35.0 (%)
12	CHEMICAL- BUILDING MATERIAL	PPC Part-1	LOI	IS:4032 : 2005	0.1 (%) to 5.0 (%)
13	CHEMICAL- BUILDING MATERIAL	PPC Part-1	MgO	IS:4032 : 2005	0.1 (%) to 8.0 (%)



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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
14	CHEMICAL- BUILDING MATERIAL	PPC Part-1	SO ₃	IS:4032 : 2005	0.1 (%) to 5.0 (%)
15	CHEMICAL- BUILDING MATERIAL	SRC	Al ₂ O ₃	IS:4032: 2005	0.2 (%) to 8.0 (%)
16	CHEMICAL- BUILDING MATERIAL	SRC	CaO	IS:4032: 2005	1.00 (%) to 65.00 (%)
17	CHEMICAL- BUILDING MATERIAL	SRC	Chloride	IS:4032: 2005	0.005 (%) to 0.200 (%)
18	CHEMICAL- BUILDING MATERIAL	SRC	Fe ₂ O ₃	IS:4032 : 2005	0.1 (%) to 5.0 (%)
19	CHEMICAL- BUILDING MATERIAL	SRC	IR	IS:4032 : 2005	0.1 (%) to 6.0 (%)
20	CHEMICAL- BUILDING MATERIAL	SRC	LOI	IS:4032: 2005	0.1 (%) to 5.0 (%)
21	CHEMICAL- BUILDING MATERIAL	SRC	MgO	IS:4032: 2005	0.1 (%) to 8.0 (%)
22	CHEMICAL- BUILDING MATERIAL	SRC	SiO ₂	IS:4032: 2005	0.5 (%) to 25.0 (%)
23	CHEMICAL- BUILDING MATERIAL	SRC	SO ₃	IS:4032: 2005	0.1 (%) to 5.0 (%)
24	MECHANICAL- BUILDINGS MATERIALS	OPC 43	Compressive Strength	IS:4031 (Part-6) : 2014	10 Mpa to 80 Mpa
25	MECHANICAL- BUILDINGS MATERIALS	OPC 43	Final Setting Time	IS:4031 (Part-5) : 2014	30 minutes to 600 minutes
26	MECHANICAL- BUILDINGS MATERIALS	OPC 43	Fineness	IS:4031 (Part-2) : 2013	150 m ² /Kg to 600 m ² /Kg



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27	MECHANICAL-BUILDINGS MATERIALS	OPC 43	Initial Setting Time	IS:4031 (Part-5) : 2014	15 minutes to 300 minutes
28	MECHANICAL-BUILDINGS MATERIALS	OPC 43	Soundness by Autoclave	IS:4031 (Part-3) : 2014	-0.07 % to 2.00 %
29	MECHANICAL-BUILDINGS MATERIALS	OPC 43	Soundness by Le-chat	IS:4031 (Part-3) : 2014	0.5 mm to 50 mm
30	MECHANICAL-BUILDINGS MATERIALS	OPC 43	Standard Consistency	IS:4031 (Part-4): 2014	20 % to 40 %
31	MECHANICAL-BUILDINGS MATERIALS	PPC Part-1	Compressive Strength	IS:4031 (Part-6) : 2014	10 MPa to 80 MPa
32	MECHANICAL-BUILDINGS MATERIALS	PPC Part-1	Final Setting Time	IS:4031 (Part-5) : 2014	30 minutes to 600 minutes
33	MECHANICAL-BUILDINGS MATERIALS	PPC Part-1	Fineness	IS:4031 (Part-2) : 2013	150 m ² /Kg to 600 m ² /Kg
34	MECHANICAL-BUILDINGS MATERIALS	PPC Part-1	Initial Setting Time	IS:4031 (Part-5) : 2014	15 minutes to 300 minutes
35	MECHANICAL-BUILDINGS MATERIALS	PPC Part-1	Soundness by Autoclave	IS:4031 (Part-3) : 2014	-0.07 % to 2.00 %
36	MECHANICAL-BUILDINGS MATERIALS	PPC Part-1	Soundness by Le-chat	IS:4031 (Part-3) : 2014	0.5 mm to 50 mm



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37	MECHANICAL-BUILDINGS MATERIALS	PPC Part-1	Standard Consistency	IS:4031 (Part-4) : 2014	20 % to 40 %
38	MECHANICAL-BUILDINGS MATERIALS	SRC	Compressive Strength	IS:4031 (Part-6) : 2014	10 MPa to 80 MPa
39	MECHANICAL-BUILDINGS MATERIALS	SRC	Final Setting Time	IS:4031 (Part-5) : 2014	30 minutes to 600 minutes
40	MECHANICAL-BUILDINGS MATERIALS	SRC	Fineness	IS:4031 (Part-2) : 2013	150 m ² /Kg to 600 m ² /Kg
41	MECHANICAL-BUILDINGS MATERIALS	SRC	Initial Setting Time	IS:4031 (Part-5) : 2014	15 minutes to 300 minutes
42	MECHANICAL-BUILDINGS MATERIALS	SRC	Soundness by Autoclave	IS:4031 (Part-3) : 2014	-0.07 % to 2.00 %
43	MECHANICAL-BUILDINGS MATERIALS	SRC	Soundness by Le-chat	IS:4031 (Part-3) : 2014	0.5 mm to 50.0 mm
44	MECHANICAL-BUILDINGS MATERIALS	SRC	Standard Consistency	IS:4031 (Part-4) : 2014	20 % to 40 %