



JSW Cement Ltd

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TC-11908



ISO 9001, ISO 14001, ISO 50001 & OHSAS 18001
Certified by IRQS

CIN - U26957MH2006PLC160839

IS 16415:2015



CM/L-6200134386

TEST REPORT

		ULR	TC-1190823000000032F
Customer Name & Address:	Marketing JSW CEMENT LTD PO Vidyanagar, Tornagallu, Bellary 583275 , Karnataka	Date Of Issue	: 06.11.2023
Let. Ref. No	: NA	Sample Received Date	: 07.10.2023
Type of Sample	: CC	Sample Ref ID	: JSW/VNR/ 880 WEEK No:40
Sample Description	: Composite Cement	Duration of Testing	: 08.10.2023 to 05.11.2023
Condition of sample	: UNSEALED	Test Method	: IS: 4032-1985 IS: 4031-1988
Environmental Condition Duration of Testing	Temperature: 27 °C	Relative Humidity	: 65 %

TEST RESULT CHEMICAL PARAMETERS

Sr. No	Test Parameters	Test Method	Unit	Results	Requirement IS: 16415-2015
1	Insoluble Residue (% by mass)	IS: 4032-1985	%	15.49	Minimum 15.0 % -Maximum 35.0 %
2	Magnesia Oxide (MgO),(%by mass)	IS: 4032-1985	%	3.05	Maximum 8.0 %
3	Sulphur Trioxide (SO3)(%by mass)	IS: 4032-1985	%	1.85	Maximum 3.5 %
4	Sulphide Sulphur (% by mass)	IS: 4032-1985	%	0.19	Maximum 0.75 %
5	Loss on Ignition (% by mass)	IS: 4032-1985	%	2.31	Maximum 5.0 %
6	Chloride Content(%by mass)	IS: 4032-1985	%	0.004	Maximum 0.10 %
7	Alkali Content(%) as Na2O	IS: 4032-1985	%	0.39	Maximum 0.6 %

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Part of O.P. Jindal Group

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TEST REPORT PHYSICAL PARAMETERS

					ULR	TC-1190823000000032F
Sr. No	Test Parameters	Method of tests	Unit	Results	Requirement IS: 16415-2015	
1	Consistency	IS 4031(Part 4)-1988	%	30.00	Not specified	
2	Fineness	IS 4031(Part 2)-1999	M ² /Kg	337	Shall not be less than 300 m ² /kg	
3	Initial Setting Time	IS 4031(Part 5)-1988	Minutes	150	Shall not be less than 30 Minutes	
4	Final Setting Time	IS 4031(Part 5)-1988	Minutes	255	Shall not be more than 600 Minutes	
5	Soundness (by Le-Chateliers)	IS 4031(Part 3)-1988	mm	1.30	Shall not be more than 10 mm	
6	Soundness (by Autoclave)	IS 4031(Part 3)-1988	%	0.015	Shall not be more than 0.8 %	
7	Compressive Strength; a) 72 ± 1h(3 days) b) 168 ± 2h(7 days) c) 672 ± 4h(28 days)	IS 4031(Part 6)-1988	Mpa	20.12 31.89 52.73	Shall not be less than 16.0 Mpa Shall not be less than 22.0 Mpa Shall not be less than 33.0 Mpa	
8	Drying shrinkage	IS 4031(Part 10)-1988	%	0.02	Maximum 0.15 %	

- Note:
- 1) This report is based on the sample received by our laboratory.
 - 2) The test result relates only to the item tested.
 - 3) This report shall not be reproduced, except in full, without the written permission of our Laboratory.
 - 4) Statement of conformity to a specification is provided considering the level of risk associated with decision
 - 5) Measurement Uncertainty is not taken into consideration while stating conformity with the specified requirements as requested by the customer.
 - 6) Any correction invalidates this report.

Reviewed and Authorized Signature:
Name: H.K PALIWAL
Designation: DGM

END OF THE REPORT

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