



FORMAT NO. F - 10(12)
SAURASHTRA CEMENT LTD.

Registered Office & Factory:
 Near Railway Station

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 CIN: L26941GJ1956PLC000840

TEST CERTIFICATE
ORDINARY PORTLAND CEMENT 43 - GRADE

DATE OF DESPATCH : 11-Sep-15 Week No 37

TEST AND COMPLIANCE :

PARTICULARS	UNIT	TEST RESULTS	REQUIREMENT OF IS 8112 : 2013
A. CHEMICAL REQUIREMENTS:			
1. Lime Saturation Factor		0.92	0.66 - 1.02
2. Ratio of Percentage of Alumina to that of Iron Oxide		1.22	0.66 Min
3. Insoluble Residue (percent by mass)	%	1.26	4.00 Max
4. Magnesia (percent by mass)	%	0.91	6.00 Max
5. Sulphuric Anhydride (SO ₃) (percent by mass)	%	2.51	3.50 Max
6. Loss On Ignition	%	2.27	5.00 Max
7. Chloride (percent by mass)	%	0.033	0.10 Max
8 C3A	%	6.98	
9 Total Alkali as Na ₂ O	%	0.042	
B. PHYSICAL REQUIREMENTS :			
1. Fineness (Blaine)	M ² / Kg	298	225 Min
2. Soundness			
a. Le.Chatelier Expansion	mm	1.50	10.00 Max
b. Autoclave Expansion	%	0.14	00.8 Max
3. Setting Time			
a. Initial	Minutes	130	30 Min
b. Final	Minutes	190	600 Max
4. Compressive Strength			
a. 72±1 hours (3 days)	MPa	34.6	23 Min
b. 168±1 hours (7 days)	MPa	44.6	33 Min
c. 672±4 hours (28 days)	MPa	UT	Min 43 & Max 58
5. S.C.	%	28.0	

The above cement complies with the requirement of IS 8112 : 2013 in respect of test carried out.

Chemist
 Date :

9/26/2015


 AUTHORISED SIGNATORY