



FORMAT NO. F - 09(12)
SAURASHTRA CEMENT LTD.

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 CIN: L26941GJ1956PLC000840

TEST CERTIFICATE
PORTLAND POZZOLANA CEMENT

SAMPLE REF. No. **10-Sep-15 (Week No) 37**

TEST AND COMPLIANCE :

PARTICULARS	UNIT	TEST RESULTS	REQUIREMENT OF IS 1489 (Part-1) : 1991
<u>A.CHEMICAL REQUIREMENTS:</u>			
1. Loss on Ignition	%	2.25	5.0 Max
2. Magnesia (percent by mass)	%	0.91	6.0 Max
3. Sulphuric Anhydride (SO ₃) (percent by mass)	%	2.51	3.0 Max
4. Insoluble Residue (Percent by mass)	%	18.24	X+[4.0(100-X)/100] Max. where x is Declared % of Fly ash
5 Chloride (Percent by mass)	%	0.033	0.10 Max
<u>B.PHYSICAL REQUIREMENTS :</u>			
1. Fineness (Blaine)	M ² / Kg	353	300 Min
2. Soundness			
a. Le.Chatelier Expansion	mm	1.0	10.00 Max
b. Autoclave Expansion	%	0.10	00.8 Max
3. Setting Time			
a. Initial	Minutes	150	30 Min
b. Final	Minutes	210	600 Max
4 Compressive Strength			
a. 72±1 hours (3 days)	MPa	28.4	16 Min
b. 168±1 hours (7 days)	MPa	38.2	22 Min
c. 672±4 hours (28 days)	MPa	UT	33 Min

The above cement complies with the requirement of IS 1489 : 1991 in respect of test carried out.

Declared percentage of pozzolana **23.0**

Chemist

Date : 9/26/2015

AUTHORISED SIGNATORY