



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

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 CIN: L26941GJ1956PLC000840

TEST CERTIFICATE
PORTLAND POZZOLANA CEMENT


SAMPLE REF. No. **9-Sep-16 (Week No) 37**

TEST AND COMPLIANCE :

PARTICULARS	UNIT	TEST RESULTS	REQUIREMENT OF IS 1489 (Part-1) : 1991
A.CHEMICAL REQUIREMENTS:			
1. Loss on Ignition	%	2.26	5.0 Max
2. Magnesia (percent by mass)	%	0.91	6.0 Max
3. Sulphuric Anhydride (SO ₃) (percent by mass)	%	2.54	3.0 Max
4. Insoluble Residue (Percent by mass)	%	17.85	X+[4.0(100-X)/100] Max. where x is Declared % of Fly ash
5 Chloride (Percent by mass)	%	0.031	0.10 Max
C3S	%	0.0	
B.PHYSICAL REQUIREMENTS :			
1. Fineness (Blaine)	M ² / Kg	357	300 Min
2. Soundness			
a. Le.Chatelier Expansion	mm	0.0	10.00 Max
b. Autoclave Expansion	%	0.08	00.8 Max
3. Setting Time			
a. Initial	Minutes	160	30 Min
b. Final	Minutes	220	600 Max
4 Compressive Strength			
a. 72±1 hours (3 days)	MPa	27.3	16 Min
b. 168±1 hours (7 days)	MPa	36.9	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 **19.0**

Chemist
 Date : 9/19/2016


 AUTHORISED SIGNATORY