





DASTAN, PALSANA, DIST. SURAT (GUJ.)

LICENCE NO. CM/L-7200051895

TEST CERTIFICATE

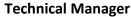
Customer Name & Address: Certificate (ULR) No.: TC801319000000033P

Sample Identification: Portland Pozzolana Cement (As per IS 1489: Part 1: 2015)

Sample Date: 29.01.2019 to 04.02.2019 (Week No: 05) Date of Issue: 13.02.2019

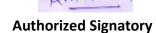
Sr. No	Particulars	Test Method	Requirement of IS:269	Results Obtained
Chemical Requirements				
1	Loss on ignition(% by mass)	IS : 4032 - 1985	Not more than 5.0	2.03
2	Magnesia(% by mass)	IS : 4032 - 1985	Not more than 6.0	2.55
3	Sulphuric Anhydride (SO₃)(% by mass)	IS : 4032 - 1985	Not more than 3.5	2.74
4	Insoluble Residue(% by mass)	IS : 4032 - 1985	4(100-x) x+ 100 (x=where x is the declare % age of Fly Ash)	23.68
5	Chloride(% by mass)*	IS : 4032 - 1985	Not more than 0.1	0.026
6	Declared % of Fly Ash (≤)	-	Not less than 15% and Not more than 35%	34.0
Mechanical Requirements				
1	Fineness (m²/kg)	IS : 4031 (Part-2) - 1999	Not less than 300	369
2	Normal Consistency (%)	IS : 4031 (Part-4) - 1988	-	32.00
3	Soundness: a) Le-chatelier expansion (mm) b) Autoclave test expansion (%)	IS : 4031 (Part-3) - 1988	Not more than 10 Not more than 0.8	0.5 0.050
4	Setting Time: a) Initial setting time (minutes) b) Final setting time (minutes)	IS : 4031 (Part-5) - 1988	Not less than 30 Not more than 600	135 185
5	Compressive Strength: a) 72 ± 1 Hours (3 Days) (MPa) b) 168 ± 2 Hours (7 Days) (MPa) c) 672 ± 4 Hours (28 Days) (MPa)	IS : 4031 (Part-6) - 1988	Not less than 16 Not less than 22 Not less than 33	30.3 38.0 Under Testing
6	Drying Shrinkage (%)	IS: 4031 (Part-10) - 1988	Not more than 0.15	Under Testing

Remarks: Results reported above are the average test results of all sample testing during the relevant week.













^{*:} Not covered under NABL Accreditation at present.