





DASTAN, PALSANA, DIST. SURAT (GUJ.) TEST CERTIFICATE FOR PORTLAND POZZOLANA CEMENT

LICENCE NO. CM/L-7200051895

Week No : 38 (17/09/2018 to 23/09/2018)				Date of Issue: 02/10/2018	
Sr. No	Particulars	IS Clause	Test Method	Requirement of IS:1489 (Part-I)	Results Obtained
		Chemical R	equirements		
1	Loss on ignition(% by mass)	6	IS : 4032 - 1985	Not more than 5.0	2.03
2	Magnesia(% by mass)		IS : 4032 - 1985	Not more than 6.0	2.40
3	Sulphuric Anhydride (SO ₃)(% by mass)		IS : 4032 - 1985	Not more than 3.5	2.88
4	Insoluble Residue(% by mass)		IS : 4032 - 1985	4(100-x) x+ 100 (x=where x is the declare % age of Fly Ash)	24.82
5	Chloride(% by mass)		IS : 4032 - 1985	Not more than 0.1	0.023
6	Declared % of Fly Ash (≤)	-	-	Not less than 15% and Not more than 35%	34.0
		Physical R	equirements		
1	Fineness (m²/kg)	7	IS : 4031 (Part-2) - 1999	Not less than 300	365
2	Normal Consistency (%)		IS: 4031 (Part-4) - 1988	-	32.75
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 0.048
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	145 195
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	30.5 38.3 Under Testing
6	Drying Shrinkage (%)		IS: 4031	Not more than 0.15	Under Testing

REMAKRS: The test results complies with the requirements of IS: 1489(Part-I) (PPC) for All Chemical requirements and Physical requirements including Compressive Strength up to $\underline{\textbf{07-days}}$. Test Protocol IS : 4032 and IS : 4031 .

(Part-10) - 1988

R.A. Alad

Drying Shrinkage (%)

6

Not more than 0.15

Officer

Authorized Signatory

Under Testing