

IS : 1489
(Part-1) : 2015



CM/L-1858472

GUJARAT SIDHEE CEMENT LIMITED

UNIT : SIDHEEGRAM

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TEST CERTIFICATE

PORTLAND POZZOLANA CEMENT

TEST AND COMPLIANCE

Week No. : 10

Date: 08-03-2022

PARTICULARS	UNIT	TEST RESULTS	IS SPECIFICATION IS 1489 (Part-1) : 2015
CHEMICAL REQUIREMENTS : (Clause 6)			
1 Loss On Ignition (percent by mass)	%	2.77	5.00 Max
2 Magnesia (percent by mass)	%	1.2	6.00 Max
3 Total Sulphur content calculated as Sulphuric Anhydride (SO ₃). (Percent by mass)	%	2.88	3.50 Max
4 Insoluble Residue (Percent by mass)	%	18.44	X= Declared % of Fly Ash Min.: 0.6 X Max.: $X + \frac{[4.0 (100 - X)]}{100}$
5 Chloride (percent by mass)	%	0.035	0.10 Max
PHYSICAL REQUIREMENTS : (Clause 7)			
1 Fineness	m ² / Kg	379	300 Min.
2 Soundness			
a. Le.Chatelier Expansion	mm	0.8	10.00 Max
b. Autoclave Expansion	%	0.13	00.80 Max
3 Setting Time			
a. Initial	Minutes	135	30 Min
b. Final	Minutes	190	600 Max
4 Compressive Strength			
a. 72±1 hours (3 days)	MPa	27.00	16 Min
b. 168±2 hours (7 days)	MPa	38.10	22 Min
c. 672±4 hours (28 days)	MPa	57.10	33 Min
5 Drying Shrinkage	%	-	0.15 Max.
Declared percentage of Fly ash % by mass of Portland Pozzolana Cement	%	27	15 Min 35 Max

The above cement complies with the requirement of IS 1489 (Part-1) : 2015 (PPC) in respect of test carried out.

Central Marketing Office:

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Authorised Signatory