



SANGHI INDUSTRIES LIMITED
SANGHIPURAM – BHUJ
District : Kutch, Gujarat (India)
Laboratory Accredited by ISO/IEC:17025 & ISO:9001



T 1233, T 1234

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Dear Customer,

It is our endeavour to deliver you the best product made with choice of raw materials and with utmost care and dedication at every stage of manufacturing process with quality checks till the finished product, to enable to obtain best in terms of quality, consistency and reliability. It will be our pleasure to receive your valuable suggestions / feedback to extend our services in much more effective way.

Thank you.

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TEST CERTIFICATE		
PORTLAND POZZOLONA CEMENT		
Sample Date 20.05.2016	MONTH	May
		Week No: 21
PARTICULARS	BIS SPECIFICATION IS : 1489(Part -1):1991	RESULTS
CHEMICAL COMPOSITION (% By Mass.)		
1) Loss On Ignition	Not greater than 5 %	2.38
2) Magnesium Oxide	Not greater than 6 % By Mass	2.61
3) Sulfur Trioxide	Not greater than 3.0 % By Mass	2.58
4) Insoluble Residue	$X + 4.0 (100-X)$ Max	14.92
(X is the Declared Percentage of Fly Ash)	100	
5) Declared % of Fly Ash	15 – 35	35.0
6) Chloride	Not greater than 0.10 % By Mass	0.046
PHYSICAL REQUIREMENTS		
1) Fineness - Sp.Surface (m2/kg)	Not less than 300 M2/kg	360
2) Normal Consistency (%)	-	30.75
3) Setting Time (Minutes)		
(a) Initial	Not less than 30 minutes	120
(b) Final	Not more than 600 minutes	200
4) Soundness		
(a) Le - chatelier (mm)	Not more than 10 mm	1.00
(b) Autoclave (%)	Not more than 0.80 %	0.058
5) Drying Shrinkage	Not more than 0.15 %	
6) Compressive Strength (MPa)		
(a) 24 Hr. (1 Day)	-	-
(b) 72 ± 1 Hr. (3 Days)	Not less than 16 MPa	31.5
(c) 168 ± 2Hrs. (7 Days)	Not less than 22 MPa	47.0
(d) 672 ± 4 Hrs. (28 Days)	Not less than 33 MPa	-

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The above cement complies with the requirements of IS : 1489(Part-1):1991 for the Portland Pozzolana Cement.

Quality Manager