



**SANGHI INDUSTRIES LIMITED**  
**QUALITY CONTROL LABORATORY**

Sanghipuram - 370 511.

Turning Dreams into Concrete Reality Tal. : Abdasa, Dist. : Kutch, State : Gujarat



CM/L 7431062

(NABL ACCREDITED LABORATORY)

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Page No. : 1/1  
Certificate No. : CMD/OPC/20/11/15  
Lot Create Date : 21.11.2015  
Material : CEMENT OPC53GR  
Lab Code : 324/CM/20  
Sample Received From : Packing Plant  
Address : SIL-Sanghipuram  
Reference : Day Average Com Despatch  
During of testing Period : 21.11.2015 To 19.12.2015  
Tested as per : IS 4031 & IS 4032  
Date of Sample : 20.11.2015  
Month : 11  
Week : 47

NABL/TP/F30

Issue No.6, Amnd.No.: 01, Eff. Dt. : 29.09.2015

## TEST CERTIFICATE

PARAMETERS TESTED	REQUIREMENTS AS PER IS 12269 : 2013	RESULTS OBTAINED
<b>1.Chemical Testing</b>		
Loss on Ignition	LESS THAN 4.00%	2.24
Insoluble Residue	LESS THAN 4.00%	1.25
SO <sub>3</sub>	LESS THAN 3.50%	2.65
MgO	LESS THAN 6.00%	2.57
Chloride	LESS THAN 0.10%	0.059
LSF	0.80% To 1.02%	0.91
AM	MORE THAN 0.66%	1.32
C3A	-	7.49
<b>2.Mechanical Testing</b>		
Specific Surface	MORE THAN 225.00m <sup>2</sup> /kg	323
Normal Consistency		30.0
Setting Time - Initial	MORE THAN 30.00min	115
Setting Time - Final	LESS THAN 600.00min	195
Soundness Lechatelier	LESS THAN 10.00MM	1.00
Soundness Autoclave	LESS THAN 0.80%	0.08
Comp. Strength - 24 Hrs. *	MORE THAN 20.00MPa	23.0
Comp. Strength - 72 ± 1 Hrs.	MORE THAN 27.00MPa	43.0
Comp. Strength - 168 ± 2 Hrs.	MORE THAN 37.00MPa	55.5
Comp. Strength - 672 ± 4 Hrs.	MORE THAN 53.00MPa	68.0

### Conditions :

1. The test results pertain to the sample received only.
2. This report is being issued with a specific understanding that SIL QC LAB will not in any way be involved in action following the interpretation of above results.
3. This report shall not be re-produced except in full without written approval from SIL QC LAB.

\* 1 Day testing is out of NABL scope.

Authorised Signatory

Quality Manager