



# VICAT SAGAR CEMENT PVT. LTD.



A Group Company  
of Vicat, France

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## TEST CERTIFICATE

IS:12269



### 53 GRADE ORDINARY PORTLAND CEMENT

CM/L-4578077

Despatched from: 15.01.2015 TO 21.01.2015

Week No: 03

A. PHYSICAL REQUIREMENTS	RESULTS	As per IS 12269- 2013
<b>Fineness:</b>		
Specific Surface (m <sup>2</sup> /kg)	<b>295</b>	Not less than 225
Normal Consistency (%)	<b>29.00</b>	
<b>Soundness:</b>		
a. By Le-Chatelier Method (mm)	<b>0.50</b>	Not more than 10 mm
b. By Autoclave (%)	<b>0.092</b>	Not more than 0.8 %
<b>Setting Time:</b>		
a. Initial Setting Time (minutes)	<b>155</b>	Not less than 30
b. Final Setting Time (minutes)	<b>250</b>	Not more than 600
<b>Compressive Strength (MPa)</b>		
a. 3 days	<b>37.0</b>	Not less than 27
b. 7 days	<b>48.0</b>	Not less than 37
c. 28 days	<b>62.0</b>	Not less than 53
<b>B. CHEMICAL REQUIREMENTS</b>		
a. Lime Saturation Factor	<b>0.89</b>	0.80 – 1.02 Not less than 0.66
b. Aluminum Modules	<b>1.16</b>	Not more than 4.0
c. Insoluble Residue (%)	<b>2.79</b>	
d. Magnesia (%)	<b>1.03</b>	Not more than 6.0
e. Sulphuric Anhydride (%)	<b>2.55</b>	Not more than 3.5
f. Loss on Ignition (%)	<b>2.79</b>	Not more than 4.0
g. Chlorides (%)	<b>0.002</b>	Not more than 0.1 27 ± 2
h. Temperature During Testing(°C)	<b>27.50</b>	

DGM (QC)

Sr.GM (P&QC)