



A Group Company  
of Vicat, France

# KALBURGI CEMENT PVT. LTD.



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## TEST CERTIFICATE



### 53 GRADE ORDINARY PORTLAND CEMENT

Despatched from: **23-Sep-16** To **29-Sep-16** Week No: **39**

A. PHYSICAL REQUIREMENTS	RESULTS	As per IS 12269 – 2013
<b>Fineness:</b>		
a. Specific Surface (m <sup>2</sup> /kg)	291	Not less than 225
b. Normal Consistency (%)	30.00	-----
<b>Soundness:</b>		
a. By Le-Chatelier Method (mm)	0.50	Not more than 10 mm
b. By Autoclave (%)	0.019	Not more than 0.8 %
<b>Setting Time:</b>		
a. Initial Setting Time (minutes)	175	Not less than 30
b. Final Setting Time (minutes)	270	Not more than 600
<b>Compressive Strength (MPa)</b>		
a. 3 days	36	Not less than 27
b. 7 days	44	Not less than 37
c. 28 days	60	Not less than 53
<b>B. CHEMICAL REQUIREMENTS</b>		
a. Lime Saturation Factor	0.92	0.80 – 1.02
b. Aluminum Modules	1.17	Not less than 0.66
c. Insoluble Residue (%)	2.77	Not more than 4.0
d. Magnesia (%)	0.72	Not more than 6.0
e. Sulphuric Anhydride (%)	2.43	Not more than 3.5
f. Loss on Ignition (%)	2.88	Not more than 4.0
g. Chlorides (%)	0.004	Not more than 0.1
h. Temperature During Testing °C	27.50	27 ± 2

  
**Analyst (Q.C)**

  
**DGM (Q.C)**