



A Group Company  
of Vicat, France

**KALBURGI CEMENT PVT. LTD.**



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**TEST CERTIFICATE**



**43 GRADE ORDINARY PORTLAND CEMENT**

Despatched from: 16.09.2016 TO 22.09.2016

Week No: 38

A. PHYSICAL REQUIREMENTS	RESULTS	As per IS 8112– 2013
<b>Fineness:</b>		
a. Specific Surface (m <sup>2</sup> /kg)	275	Not less than 225
b. Normal Consistency (%)	30.50	-----
<b>Soundness:</b>		
a. By Le-Chatelier Method (mm)	0.50	Not more than 10 mm
b. By Autoclave (%)	0.078	Not more than 0.8 %
<b>Setting Time:</b>		
a. Initial Setting Time (minutes)	180	Not less than 30
b. Final Setting Time (minutes)	280	Not more than 600
<b>Compressive Strength (MPa)</b>		
a. 3 days	26	Not less than 23
b. 7 days	40	Not less than 33
c. 28 days	Awaited	Not less than 43 & Not more than 58
<b>B. CHEMICAL REQUIREMENTS</b>		
a. Lime Saturation Factor	0.91	0.66 – 1.02
b. Aluminum Modules	1.18	Not less than 0.66
c. Insoluble Residue (%)	2.84	Not more than 4.0
d. Magnesia (%)	0.84	Not more than 6.0
e. Sulphuric Anhydride (%)	2.12	Not more than 3.5
f. Loss on Ignition (%)	2.98	Not more than 5.0
g. Chlorides (%)	0.01	Not more than 0.1
h. Temperature During Testing °C	27.00	27 ± 2

*[Handwritten Signature]*

**Analyst (Q.C)**

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**DGM (Q.C)**