

## **KALBURGI CEMENT PVT. LTD.**



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## **TEST CERTIFICATE**



## **43 GRADE ORDINARY PORTLAND CEMENT**

Despatched from: 24.06.2016 TO 30.06.2016 Week No: 26

Despatched from: 24.00.2010 TO 30.00.2010			Week No. 20
A. PHYSICAL REQUIREMENTS		RESULTS	As per IS 8112- 2013
Fineness:			
a.	Specific Surface (m2/kg)	295	Not less than 225
b.	Normal Consistency (%)	30.50	
Soundness:			
a.	By Le-Chatelier Method (mm)	0.50	Not more than 10 mm
b.	By Autoclave (%)	0.038	Not more than 0.8 %
Setting Time:			
a.	Initial Setting Time (minutes)	155	Not less than 30
b.	Final Setting Time (minutes)	250	Not more than 600
Compressive Strength (MPa)			
a.	3 days	29	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. CHEMICAL REQUIREMENTS			
a.	Lime Saturation Factor	0.91	0.66 – 1.02
b.	Aluminum Modules	1.16	Not less than 0.66
c.	Insoluble Residue (%)	2.94	Not more than 4.0
d.	Magnesia (%)	0.88	Not more than 6.0
e.	Sulphuric Anhydride (%)	2.26	Not more than 3.5
f.	Loss on Ignition (%)	2.96	Not more than 5.0
g.	Chlorides (%)	0.00	Not more than 0.1
h.	Temperature During Testing <sup>0</sup> C	27.00	27 ± 2

17. of:1/2

Analyst (Q.C)

**DGM (0.C)**