

KALBURGI CEMENT PVT. LTD.



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TEST CERTIFICATE



53 GRADE ORDINARY PORTLAND CEMENT

Despatched from: 24-Jun-16 To 30-Jun-16 Week No: 26

	A. PHYSICAL REQUIREMENTS	RESULTS	As per IS 12269 – 2013
Fineness:			
a.	Specific Surface (m2/kg)	308	Not less than 225
b.	Normal Consistency (%)	30.00	
Soundness:			
a.	By Le-Chatelier Method (mm)	0.50	Not more than 10 mm
b.	By Autoclave (%)	0.046	Not more than 0.8 %
Setting Time:			
a.	Initial Setting Time (minutes)	145	Not less than 30
b.	Final Setting Time (minutes)	250	Not more than 600
Compressive Strength (MPa)			
a.	3 days	37	Not less than 27
b.	7 days	46	Not less than 37
c.	28 days	Awaited	Not less than 53
B. CHEMICAL REQUIREMENTS			
a.	Lime Saturation Factor	0.93	0.80 – 1.02
b.	Aluminum Modules	1.07	Not less than 0.66
c.	Insoluble Residue (%)	2.28	Not more than 4.0
d.	Magnesia (%)	0.68	Not more than 6.0
e.	Sulphuric Anhydride (%)	2.38	Not more than 3.5
f.	Loss on Ignition (%)	2.30	Not more than 4.0
g.	Chlorides (%)	0.01	Not more than 0.1
h.	Temperature During Testing ⁰ C	27.00	27 ± 2

Analyst (Q.C)

DGM (Q.C)