

KALBURGI CEMENT PVT. LTD.

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Works : Chatrasala (V), Kharchkhed (Post) - 585 320, Chincholi (Tq.), Gulbarga Dist.



TEST CERTIFICATE (OPC - 53 Grade)

Product: VICAT - OPTIMATE Week No: 33

Despatched from: 13.08.2021 to 19.08.2021

A. PHYSICAL REQUIREMENTS		RESULTS	As per IS 269 – 2015
Finenes	ss:		
a.	Specific Surface (m2/kg)	301	Not less than 225
b.	Normal Consistency (%)	30.00	
Soundness:			
a.	By Le-Chatelier Method (mm)	1.36	Not more than 10 mm
b.	By Autoclave (%)	0.05	Not more than 0.8 %
Setting Time:			
a.	Initial Setting Time (minutes)	140	Not less than 30
b.	Final Setting Time (minutes)	245	Not more than 600
Compressive Strength (MPa)			
a.	3 days	35.14	Not less than 27
b.	7 days	45.71	Not less than 37
C.	28 days	Awaited	Not less than 53
B. CHEMICAL REQUIREMENTS			
a.	Lime Saturation Factor	0.90	0.80 – 1.02
b.	Aluminum Modules	1.17	Not less than 0.66
C.	Insoluble Residue (%)	2.42	Not more than 5.0
d.	Magnesia (%)	0.93	Not more than 6.0
e.	Sulphuric Anhydride (%)	2.40	Not more than 3.5
f.	Loss on Ignition (%)	2.09	Not more than 4.0
g.	Chlorides (%)	0.030	Not more than 0.1
h.	Alkali Content (%)	0.40	Not more than 0.6
i.	Temperature During Testing ⁰ C	26.60	27 ± 2

Q-(Dis

Section In-Charge (Q.C)

Authorised Signature