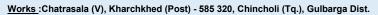


## **KALBURGI CEMENT PVT. LTD.**

<u>Corporate Office</u>: 8-2-626, Reliance Majestic Building, Road No. 10, Banjara Hills, Hyderabad – 500 034, A.P., India. Ph.: +91 40 3006999; Fax: +91 40 30006955





## **TEST CERTIFICATE (OPC - 53 Grade)**

Product: VICAT - OPTIMATE Week No: 31

Despatched From: 30-07-2022 TO 05-08-2022

A. PHYSICAL REQUIREMENTS		RESULTS	As per IS 269 - 2015
Finen	ess:		
a.	Specific Surface (m2/kg)	293	Not less than 225
b.	Normal Consistency (%)	30.0	
Soundness:			
a.	By Le-Chatelier Method (mm)	1.00	Not more than 10 mm
b.	By Autoclave (%)	0.06	Not more than 0.8 %
Setting Time:			
a.	Initial Setting Time (minutes)	135	Not less than 30
b.	Final Setting Time (minutes)	240	Not more than 600
Compressive Strength (MPa)			
a.	3 days	35.18	Not less than 27
b.	7 days	44.92	Not less than 37
C.	28 days	Awaited	Not less than 53
B. CHEMICAL REQUIREMENTS			
a.	Lime Saturation Factor	0.88	0.80 – 1.02
b.	Aluminum Modules	1.28	Not less than 0.66
C.	Insoluble Residue (%)	2.29	Not more than 5.0
d.	Magnesia (%)	1.07	Not more than 6.0
e.	Sulphuric Anhydride (%)	2.50	Not more than 3.5
f.	Loss on Ignition (%)	2.48	Not more than 4.0
g.	Chlorides (%)	0.01	Not more than 0.1
h.	Alkali Content (%)	0.45	Not more than 0.6
i.	Temperature During Testing <sup>0</sup> C	27.30	27 ± 2

206

Section In-Charge (Q.C)

**Authorised Signature**