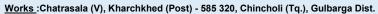


## **KALBURGI CEMENT PVT. LTD.**

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

**Product: VICAT - OPTIMATE** Week No: 20

Despatched From: 14/5/2025 TO 20/5/2025

A	A. PHYSICAL REQUIREMENTS (as per IS:4031)	RESULTS	As per IS 269 – 2015
(as per issues)			
Fineness:		202	No. 1 41 005
a.	Specific Surface (m2/kg)	293	Not less than 225
b.	Normal Consistency (%)	29.50	
Soundness:			
a.	By Le-Chatelier Method (mm)	2.25	Not more than 10 mm
b.	By Autoclave (%)	0.06	Not more than 0.8 %
Setting Time:			
a.	Initial Setting Time (minutes)	155	Not less than 30
b.	Final Setting Time (minutes)	255	Not more than 600
Compressive Strength (MPa)			
a.	3 days	33.40	Not less than 27
b.	7 days	Awaited	Not less than 37
C.	28 days	Awaited	Not less than 53
B. CHEMICAL REQUIREMENTS (as per IS:4032)			
a.	Lime Saturation Factor	0.90	0.80 – 1.02
b.	Aluminum Modules	1.19	Not less than 0.66
C.	Insoluble Residue (%)	1.86	Not more than 5.0
d.	Magnesia (%)	1.13	Not more than 6.0
e.	Sulphuric Anhydride (%)	2.99	Not more than 3.5
f.	Loss on Ignition (%)	1.92	Not more than 4.0
g.	Chlorides (%)	0.01	Not more than 0.1
h.	Alkali Content (%)	0.51	Not Specified
i.	Temperature During Testing <sup>0</sup> C	27.60	27 ± 2
j.	Specific Gravity	3.14	3.12

**Asst Manager-QC** 

**HOD - QC**