



# KALBURGI CEMENT PVT. LTD.

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

IS:269



CM/L :4578077

## TEST CERTIFICATE (OPC - 53 Grade)

Product : VICAT - OPTIMATE

Week No: 41

Despatched from: 07.10.2019 to 13.10.2019

A. PHYSICAL REQUIREMENTS	RESULTS	As per IS 269 – 2015
<b>Fineness:</b>		
a. Specific Surface (m <sup>2</sup> /kg)	294	Not less than 225
b. Normal Consistency (%)	29.50	-----
<b>Soundness:</b>		
a. By Le-Chatelier Method (mm)	0.50	Not more than 10 mm
b. By Autoclave (%)	0.042	Not more than 0.8 %
<b>Setting Time:</b>		
a. Initial Setting Time (minutes)	175	Not less than 30
b. Final Setting Time (minutes)	270	Not more than 600
<b>Compressive Strength (MPa)</b>		
a. 3 days	37.42	Not less than 27
b. 7 days	47.36	Not less than 37
c. 28 days	61.84	Not less than 53
<b>B. CHEMICAL REQUIREMENTS</b>		
a. Lime Saturation Factor	0.91	0.80 – 1.02
b. Aluminum Modules	1.15	Not less than 0.66
c. Insoluble Residue (%)	2.42	Not more than 5.0
d. Magnesia (%)	1.00	Not more than 6.0
e. Sulphuric Anhydride (%)	2.52	Not more than 3.5
f. Loss on Ignition (%)	2.68	Not more than 4.0
g. Chlorides (%)	0.030	Not more than 0.1
h. Alkali Content (%)	0.55	Not more than 0.6
i. Temperature During Testing °C	27.00	27 ± 2

Section In-Charge (Q.C)

Authorised Signature