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**KALBURGI CEMENT PVT. LTD.****Corporate Office:** 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**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: 18****Despatched From : 30-04-2023 TO 06-05-2023**

A. PHYSICAL REQUIREMENTS	RESULTS	As per IS 269 – 2015
<b>Fineness:</b>		
a. Specific Surface (m <sup>2</sup> /kg)	285	Not less than 225
b. Normal Consistency (%)	29.0	-----
<b>Soundness:</b>		
a. By Le-Chatelier Method (mm)	1.00	Not more than 10 mm
b. By Autoclave (%)	0.04	Not more than 0.8 %
<b>Setting Time:</b>		
a. Initial Setting Time (minutes)	160	Not less than 30
b. Final Setting Time (minutes)	255	Not more than 600
<b>Compressive Strength (MPa)</b>		
a. 3 days	34.18	Not less than 27
b. 7 days	43.96	Not less than 37
c. 28 days	Awaited	Not less than 53
<b>B. CHEMICAL REQUIREMENTS</b>		
a. Lime Saturation Factor	0.88	0.80 – 1.02
b. Aluminum Modules	1.31	Not less than 0.66
c. Insoluble Residue (%)	2.08	Not more than 5.0
d. Magnesia (%)	1.15	Not more than 6.0
e. Sulphuric Anhydride (%)	2.52	Not more than 3.5
f. Loss on Ignition (%)	2.25	Not more than 4.0
g. Chlorides (%)	0.01	Not more than 0.1
h. Alkali Content (%)	0.54	Not more than 0.6
i. Temperature During Testing °C	27.80	27 ± 2

**Manager - QC****HOD - QC**