



A Group Company  
of Vicat, France

# KALBURGI CEMENT PVT. LTD.



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## TEST CERTIFICATE VICAT-OPTIMATE OPC-53 Grade

IS:269



CM/L-4578077

Despatched from: 12.11.2018 to 18.11.2018

Week No: 46

A. PHYSICAL REQUIREMENTS	RESULTS	As per IS 269 – 2015
<b>Fineness:</b>		
a. Specific Surface (m <sup>2</sup> /kg)	284	Not less than 225
b. Normal Consistency (%)	29.50	-----
<b>Soundness:</b>		
a. By Le-Chatelier Method (mm)	1.00	Not more than 10 mm
b. By Autoclave (%)	0.086	Not more than 0.8 %
<b>Setting Time:</b>		
a. Initial Setting Time (minutes)	170	Not less than 30
b. Final Setting Time (minutes)	270	Not more than 600
<b>Compressive Strength (MPa)</b>		
a. 3 days	37.56	Not less than 27
b. 7 days	Awaited	Not less than 37
c. 28 days	Awaited	Not less than 53
<b>B. CHEMICAL REQUIREMENTS</b>		
a. Lime Saturation Factor	0.93	0.80 – 1.02
b. Aluminum Modules	1.49	Not less than 0.66
c. Insoluble Residue (%)	2.32	Not more than 5.0
d. Magnesia (%)	0.99	Not more than 6.0
e. Sulphuric Anhydride (%)	2.57	Not more than 3.5
f. Loss on Ignition (%)	2.65	Not more than 4.0
g. Chlorides (%)	0.030	Not more than 0.1
h. Alkali Content (%)	0.57	Not more than 0.6
i. Temperature During Testing °C	27.00	27 ± 2

Section In-Charge (Q.C)

HOD (Q.C)