



# KALBURGI CEMENT PVT. LTD.

IS:269



CML :4578077

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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.

## TEST CERTIFICATE (OPC - 43 Grade)

Product : VICAT - PERFORMATE

Week No: 22

Despatched from: 27.05.2019 to 02.06.2019

A. PHYSICAL REQUIREMENTS	RESULTS	As per IS 269 – 2015
<b>Fineness:</b>		
a. Specific Surface (m <sup>2</sup> /kg)	277	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 (%)	0.051	Not more than 0.8 %
<b>Setting Time:</b>		
a. Initial Setting Time (minutes)	165	Not less than 30
b. Final Setting Time (minutes)	275	Not more than 600
<b>Compressive Strength (MPa)</b>		
a. 3 days	33.94	Not less than 23
b. 7 days	44.26	Not less than 33
c. 28 days	Awaited	Not less than 43 & Not more than 58
<b>B. CHEMICAL REQUIREMENTS</b>		
a. Lime Saturation Factor	0.92	0.66 – 1.02
b. Aluminum Modules	1.20	Not less than 0.66
c. Insoluble Residue (%)	2.78	Not more than 5.0
d. Magnesia (%)	0.92	Not more than 6.0
e. Sulphuric Anhydride (%)	2.64	Not more than 3.5
f. Loss on Ignition (%)	2.98	Not more than 5.0
g. Chlorides (%)	0.030	Not more than 0.1
h. Alkali Content (%)	0.56	Not more than 0.6
i. Temperature During Testing °C	27.50	27 ± 2

Section In-Charge (Q.C)

Authorised Signature