



# KALBURGI CEMENT PVT. LTD.

IS:269



CML :4578077

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

## TEST CERTIFICATE (OPC - 43 Grade)

Product : VICAT - PERFORMATE

Week No: 9

Despatched from: 24.02.2020 to 01.03.2020

A. PHYSICAL REQUIREMENTS	RESULTS	As per IS 269 – 2015
<b>Fineness:</b>		
a. Specific Surface (m <sup>2</sup> /kg)	278	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 (%)	0.068	Not more than 0.8 %
<b>Setting Time:</b>		
a. Initial Setting Time (minutes)	175	Not less than 30
b. Final Setting Time (minutes)	275	Not more than 600
<b>Compressive Strength (MPa)</b>		
a. 3 days	33.88	Not less than 23
b. 7 days	44.62	Not less than 33
c. 28 days	57.49	Not less than 43 & Not more than 58
<b>B. CHEMICAL REQUIREMENTS</b>		
a. Lime Saturation Factor	0.91	0.66 – 1.02
b. Aluminum Modules	1.18	Not less than 0.66
c. Insoluble Residue (%)	2.36	Not more than 5.0
d. Magnesia (%)	1.06	Not more than 6.0
e. Sulphuric Anhydride (%)	2.54	Not more than 3.5
f. Loss on Ignition (%)	2.86	Not more than 5.0
g. Chlorides (%)	0.030	Not more than 0.1
h. Alkali Content (%)	0.58	Not more than 0.6
i. Temperature During Testing °C	27.00	27 ± 2

Section In-Charge (Q.C)

Authorised Signature