



# KALBURGI CEMENT PVT. LTD.

IS:1489 (Part-1)

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CM/L :4596685

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

## TEST CERTIFICATE (PPC)

Product : VICAT - DURAMATE

Week No: 15

Despatched from: 09.04.2021 to 15.04.2021

A. PHYSICAL REQUIREMENTS	RESULTS	As per IS 1489 (Part-1) 2015
<b>Fineness:</b>		
a. Specific Surface (m <sup>2</sup> /kg)	358	Not less than 300
b. Normal Consistency (%)	31.50	-----
<b>Soundness:</b>		
a. By Le-Chatelier Method (mm)	0.75	Not more than 10 mm
b. By Autoclave (%)	0.046	Not more than 0.8 %
<b>Setting Time:</b>		
a. Initial Setting Time (minutes)	155	Not less than 30
b. Final Setting Time (minutes)	245	Not more than 600
<b>Compressive Strength (MPa)</b>		
a. 3 days	26.60	Not less than 16
b. 7 days	35.80	Not less than 22
c. 28 days	54.30	Not less than 33
d. Drying Shrinkage(%)	0.030	Not more than 0.15
e. Flyash Addition (%)	32.80	Not more than 35
<b>B. CHEMICAL REQUIREMENTS</b>		
a. Insoluble Residue (%)	29.52	$X+4(100-X)/100$ ; X = % of Flyash
b. Magnesia (%)	0.93	Not more than 6.0
c. Sulphuric Anhydride (%)	2.32	Not more than 3.5
d. Loss on Ignition (%)	2.30	Not more than 5.0
e. Alkali Content (%)	0.65	Not more than 0.90
f. Temperature During Testing(°C)	28.50	27 ± 2

Section In-Charge (Q.C)

Authorised Signature