



# KALBURGI CEMENT PVT. LTD.

IS:1489 (Part-1)

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

CM/L :4596685

## TEST CERTIFICATE (PPC)

Product : VICAT - DURAMATE

Week No: 10

Despatched from: 02.03.2020 to 08.03.2020

A. PHYSICAL REQUIREMENTS	RESULTS	As per IS 1489 (Part-1) 2015
<b>Fineness:</b>		
a. Specific Surface (m <sup>2</sup> /kg)	340	Not less than 300
b. Normal Consistency (%)	32.50	-----
<b>Soundness:</b>		
a. By Le-Chatelier Method (mm)	1.00	Not more than 10 mm
b. By Autoclave (%)	0.074	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	27.42	Not less than 16
b. 7 days	36.80	Not less than 22
c. 28 days	55.28	Not less than 33
d. Drying Shrinkage(%)	0.026	Not more than 0.15
e. Flyash Addition (%)	30.91	Not more than 35
<b>B. CHEMICAL REQUIREMENTS</b>		
a. Insoluble Residue (%)	27.82	$X+4(100-X)/100$ ; X = % of Flyash
b. Magnesia (%)	1.02	Not more than 6.0
c. Sulphuric Anhydride (%)	2.18	Not more than 3.5
d. Loss on Ignition (%)	2.32	Not more than 5.0
e. Alkali Content (%)	0.56	Not more than 0.90
f. Temperature During Testing(°C)	27.50	27 ± 2

Section In-Charge (Q.C)

Authorised Signature