



# 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: 11

Despatched from: 09.03.2020 to 15.03.2020

A. PHYSICAL REQUIREMENTS	RESULTS	As per IS 1489 (Part-1) 2015
<b>Fineness:</b>		
a. Specific Surface (m <sup>2</sup> /kg)	342	Not less than 300
b. Normal Consistency (%)	32.50	-----
<b>Soundness:</b>		
a. By Le-Chatelier Method (mm)	0.50	Not more than 10 mm
b. By Autoclave (%)	0.052	Not more than 0.8 %
<b>Setting Time:</b>		
a. Initial Setting Time (minutes)	170	Not less than 30
b. Final Setting Time (minutes)	280	Not more than 600
<b>Compressive Strength (MPa)</b>		
a. 3 days	26.58	Not less than 16
b. 7 days	36.46	Not less than 22
c. 28 days	55.72	Not less than 33
d. Drying Shrinkage(%)	0.034	Not more than 0.15
e. Flyash Addition (%)	29.49	Not more than 35
<b>B. CHEMICAL REQUIREMENTS</b>		
a. Insoluble Residue (%)	26.54	$X+4(100-X)/100$ ; X = % of Flyash
b. Magnesia (%)	1.06	Not more than 6.0
c. Sulphuric Anhydride (%)	2.24	Not more than 3.5
d. Loss on Ignition (%)	2.36	Not more than 5.0
e. Alkali Content (%)	0.54	Not more than 0.90
f. Temperature During Testing(°C)	28.00	27 ± 2

Section In-Charge (Q.C)

Authorised Signature