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**KALBURGI CEMENT PVT. LTD.**

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

IS:1489 (Part-1)



CM/L :4596685

**TEST CERTIFICATE (PPC)****Product : VICAT - DURAMATE****Week No: 30****Despatched from: 23.07.2021 to 29.07.2021**

A. PHYSICAL REQUIREMENTS	RESULTS	As per IS 1489 (Part-1) 2015
<b>Fineness:</b>		
a. Specific Surface (m <sup>2</sup> /kg)	347	Not less than 300
b. Normal Consistency (%)	31.50	-----
<b>Soundness:</b>		
a. By Le-Chatelier Method (mm)	1.00	Not more than 10 mm
b. By Autoclave (%)	0.047	Not more than 0.8 %
<b>Setting Time:</b>		
a. Initial Setting Time (minutes)	135	Not less than 30
b. Final Setting Time (minutes)	220	Not more than 600
<b>Compressive Strength (MPa)</b>		
a. 3 days	24.71	Not less than 16
b. 7 days	34.29	Not less than 22
c. 28 days	54.14	Not less than 33
d. Drying Shrinkage(%)	Awaited	Not more than 0.15
e. Flyash Addition (%)	33.58	Not more than 35
<b>B. CHEMICAL REQUIREMENTS</b>		
a. Insoluble Residue (%)	32.61	$X+4(100-X)/100$ ; X = % of Flyash
b. Magnesia (%)	0.95	Not more than 6.0
c. Sulphuric Anhydride (%)	2.36	Not more than 3.5
d. Loss on Ignition (%)	2.27	Not more than 5.0
e. Alkali Content (%)	0.52	Not more than 0.90
f. Temperature During Testing(°C)	26.70	27 ± 2

**Section In-Charge (Q.C)****Authorised Signature**