



# KALBURGI CEMENT PVT. LTD.

IS:1489 (Part-1)

**Corporate Office:** 8-2-626, Reliance Majestic Building, Road No. 10, Banjara Hills, Hyderabad – 500 034, A.P., India. Ph.: +91 40 3006999; Fax: +91 40 30006955



CM/L :4596685

TRUST. LEGACY. FOREVER.

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

## TEST CERTIFICATE (PPC)

Product : VICAT - DURAMATE

Week No: 12

Despatched From : 19-03-2022 TO 25-03-2022

A. PHYSICAL REQUIREMENTS	RESULTS	As per IS 269 – 2015
<b>Fineness:</b>		
a. Specific Surface (m <sup>2</sup> /kg)	328	Not less than 225
b. Normal Consistency (%)	31.8	-----
<b>Soundness:</b>		
a. By Le-Chatelier Method (mm)	0.75	Not more than 10 mm
b. By Autoclave (%)	0.03	Not more than 0.8 %
<b>Setting Time:</b>		
a. Initial Setting Time (minutes)	145	Not less than 30
b. Final Setting Time (minutes)	245	Not more than 600
<b>Compressive Strength (MPa)</b>		
a. 3 days	24.30	Not less than 16
b. 7 days	34.61	Not less than 22
c. 28 days	52.64	Not less than 33
d. Drying Shrinkage(%)	0.04	Not more than 0.15
e. Flyash Addition (%)	34.34	Not more than 35
<b>B. CHEMICAL REQUIREMENTS</b>		
a. Insoluble Residue (%)	31.42	$X+4(100-X)/100$ ; X = % of Flyash
b. Magnesia (%)	1.09	Not less than 0.66
c. Sulphuric Anhydride (%)	2.56	Not more than 5.0
d. Loss on Ignition (%)	2.18	Not more than 6.0
e. Alkali Content (%)	0.65	Not more than 0.9
i. Temperature During Testing °C	27.20	27 ± 2

Section In-Charge (Q.C)

Authorised Signature