



# 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: 16

Despatched From : 16-04-2022 TO 22-04-2022

| A. PHYSICAL REQUIREMENTS                 | RESULTS | As per IS 1489 (Part-1) 2015       |
|--|---------|------------------------------------|
| <b>Fineness:</b>                         |         |                                    |
| a. Specific Surface (m <sup>2</sup> /kg) | 312     | Not less than 300                  |
| b. Normal Consistency (%)                | 31.5    | -----                              |
| <b>Soundness:</b>                        |         |                                    |
| a. By Le-Chatelier Method (mm)           | 1.00    | Not more than 10 mm                |
| b. By Autoclave (%)                      | 0.04    | Not more than 0.8 %                |
| <b>Setting Time:</b>                     |         |                                    |
| a. Initial Setting Time (minutes)        | 150     | Not less than 30                   |
| b. Final Setting Time (minutes)          | 245     | Not more than 600                  |
| <b>Compressive Strength (MPa)</b>        |         |                                    |
| a. 3 days                                | 25.02   | Not less than 16                   |
| b. 7 days                                | 34.72   | Not less than 22                   |
| c. 28 days                               | Awaited | Not less than 33                   |
| d. Drying Shrinkage(%)                   | Awaited | Not more than 0.15                 |
| e. Flyash Addition (%)                   | 34.20   | Not more than 35                   |
| <b>B. CHEMICAL REQUIREMENTS</b>          |         |                                    |
| a. Insoluble Residue (%)                 | 30.20   | $X+4(100-X)/100$ ; X = % of Flyash |
| b. Magnesia (%)                          | 1.15    | Not more than 6.0                  |
| c. Sulphuric Anhydride (%)               | 2.47    | Not more than 3.5                  |
| d. Loss on Ignition (%)                  | 2.36    | Not more than 5.0                  |
| e. Alkali Content (%)                    | 0.65    | Not more than 0.90                 |
| i. Temperature During Testing °C         | 27.00   | 27 ± 2                             |

Section In-Charge (Q.C)

Authorised Signature