



# KALBURGI CEMENT PVT. LTD.

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

IS:269



CM/L :4578077

## TEST CERTIFICATE (OPC - 53 Grade)

Product : VICAT - OPTIMATE

Week No: 36

Despatched from: 02.09.2019 to 08.09.2019

| A. PHYSICAL REQUIREMENTS                 | RESULTS | As per IS 269 – 2015 |
|--|---------|----------------------|
| <b>Fineness:</b>                         |         |                      |
| a. Specific Surface (m <sup>2</sup> /kg) | 292     | Not less than 225    |
| b. Normal Consistency (%)                | 29.50   | -----                |
| <b>Soundness:</b>                        |         |                      |
| a. By Le-Chatelier Method (mm)           | 1.00    | 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)          | 270     | Not more than 600    |
| <b>Compressive Strength (MPa)</b>        |         |                      |
| a. 3 days                                | 36.86   | Not less than 27     |
| b. 7 days                                | 46.98   | Not less than 37     |
| c. 28 days                               | Awaited | Not less than 53     |
| <b>B. CHEMICAL REQUIREMENTS</b>          |         |                      |
| a. Lime Saturation Factor                | 0.91    | 0.80 – 1.02          |
| b. Aluminum Modules                      | 1.17    | Not less than 0.66   |
| c. Insoluble Residue (%)                 | 2.46    | Not more than 5.0    |
| d. Magnesia (%)                          | 1.01    | Not more than 6.0    |
| e. Sulphuric Anhydride (%)               | 2.36    | Not more than 3.5    |
| f. Loss on Ignition (%)                  | 2.64    | Not more than 4.0    |
| g. Chlorides (%)                         | 0.030   | Not more than 0.1    |
| h. Alkali Content (%)                    | 0.55    | Not more than 0.6    |
| i. Temperature During Testing °C         | 27.00   | 27 ± 2               |

Section In-Charge (Q.C)

Authorised Signature