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## KALBURGI CEMENT PVT. LTD.

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IS:269



CM/L :4578077

### TEST CERTIFICATE (OPC - 43 Grade)

Product : VICAT - PERFORMATE

Week No: 43

Despatched From : 22/10/2025 TO 28/10/2025

| A. PHYSICAL REQUIREMENTS<br>(as per IS:4031)         | RESULTS | As per IS 269 – 2015                |
|------------------------------------------------------|---------|-------------------------------------|
| <b>Fineness:</b>                                     |         |                                     |
| a. Specific Surface (m <sup>2</sup> /kg)             | 277     | Not less than 225                   |
| b. Normal Consistency (%)                            | 28.50   | -----                               |
| <b>Soundness:</b>                                    |         |                                     |
| a. By Le-Chatelier Method (mm)                       | 2.50    | Not more than 10 mm                 |
| b. By Autoclave (%)                                  | 0.08    | 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                                            | 28.80   | Not less than 23                    |
| b. 7 days                                            | Awaited | Not less than 33                    |
| c. 28 days                                           | Awaited | Not less than 43 & Not more than 58 |
| <b>B. CHEMICAL REQUIREMENTS<br/>(as per IS:4032)</b> |         |                                     |
| a. Lime Saturation Factor                            | 0.89    | 0.66 – 1.02                         |
| b. Aluminum Modules                                  | 1.22    | Not less than 0.66                  |
| c. Insoluble Residue (%)                             | 1.94    | Not more than 5.0                   |
| d. Magnesia (%)                                      | 1.03    | Not more than 6.0                   |
| e. Sulphuric Anhydride (%)                           | 2.60    | Not more than 3.5                   |
| f. Loss on Ignition (%)                              | 2.10    | Not more than 5.0                   |
| g. Chlorides (%)                                     | 0.01    | Not more than 0.1                   |
| h. Alkali Content (%)                                | 0.51    | Not Specified                       |
| i. Temperature During Testing °C                     | 27.50   | 27 ± 2                              |
| j. Specific Gravity                                  | 3.14    | -                                   |

Asst Manager-QC

HOD - QC