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IS:269



CM/L :4578077

**TEST CERTIFICATE (OPC - 53 Grade)**

Product : VICAT - OPTIMATE

Week No:

36

Despatched From : 3/9/2025 TO 9/9/2025

| 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)             | 294     | Not less than 225    |
| b. Normal Consistency (%)                            | 29.50   | -----                |
| <b>Soundness:</b>                                    |         |                      |
| a. By Le-Chatelier Method (mm)                       | 2.50    | Not more than 10 mm  |
| b. By Autoclave (%)                                  | 0.06    | Not more than 0.8 %  |
| <b>Setting Time:</b>                                 |         |                      |
| a. Initial Setting Time (minutes)                    | 135     | Not less than 30     |
| b. Final Setting Time (minutes)                      | 240     | Not more than 600    |
| <b>Compressive Strength (MPa)</b>                    |         |                      |
| a. 3 days                                            | 32.10   | Not less than 27     |
| b. 7 days                                            | Awaited | Not less than 37     |
| c. 28 days                                           | Awaited | Not less than 53     |
| <b>B. CHEMICAL REQUIREMENTS<br/>(as per IS:4032)</b> |         |                      |
| a. Lime Saturation Factor                            | 0.90    | 0.80 – 1.02          |
| b. Aluminum Modules                                  | 1.32    | 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 (%)                           | 2.46    | Not more than 3.5    |
| f. Loss on Ignition (%)                              | 2.28    | Not more than 4.0    |
| g. Chlorides (%)                                     | 0.01    | Not more than 0.1    |
| h. Alkali Content (%)                                | 0.50    | Not Specified        |
| i. Temperature During Testing °C                     | 27.60   | 27 ± 2               |
| j. Specific Gravity                                  | 3.14    | -                    |

Asst Manager-QC

HOD - QC