



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: 39

Despatched from: 21.09.2020 to 27.09.2020

| A. PHYSICAL REQUIREMENTS | RESULTS | As per IS 269 – 2015 |
|--|---------|----------------------|
| Fineness: | | |
| a. Specific Surface (m ² /kg) | 296 | Not less than 225 |
| b. Normal Consistency (%) | 29.50 | ----- |
| Soundness: | | |
| a. By Le-Chatelier Method (mm) | 1.00 | Not more than 10 mm |
| b. By Autoclave (%) | 0.046 | Not more than 0.8 % |
| Setting Time: | | |
| a. Initial Setting Time (minutes) | 165 | Not less than 30 |
| b. Final Setting Time (minutes) | 260 | Not more than 600 |
| Compressive Strength (MPa) | | |
| a. 3 days | 35.85 | Not less than 27 |
| b. 7 days | 45.30 | Not less than 37 |
| c. 28 days | Awaited | Not less than 53 |
| B. CHEMICAL REQUIREMENTS | | |
| a. Lime Saturation Factor | 0.93 | 0.80 – 1.02 |
| b. Aluminum Modules | 1.15 | Not less than 0.66 |
| c. Insoluble Residue (%) | 2.60 | Not more than 5.0 |
| d. Magnesia (%) | 0.97 | Not more than 6.0 |
| e. Sulphuric Anhydride (%) | 2.58 | Not more than 3.5 |
| f. Loss on Ignition (%) | 2.58 | Not more than 4.0 |
| g. Chlorides (%) | 0.020 | Not more than 0.1 |
| h. Alkali Content (%) | 0.52 | Not more than 0.6 |
| i. Temperature During Testing °C | 27.00 | 27 ± 2 |

TS. S.M.

Section In-Charge (Q.C)

Authorised Signature