



KALBURGI CEMENT PVT. LTD.

IS:1489 (Part-1)

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TRUST. LEGACY. FOREVER.

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

CM/L :4596685

TEST CERTIFICATE (PPC)

Product : VICAT - DURAMATE

Week No: 8

Despatched from: 19.02.2021 to 25.02.2021

| A. PHYSICAL REQUIREMENTS | RESULTS | As per IS 1489 (Part-1) 2015 |
|--|---------|------------------------------------|
| Fineness: | | |
| a. Specific Surface (m ² /kg) | 350 | Not less than 300 |
| b. Normal Consistency (%) | 31.00 | ----- |
| Soundness: | | |
| a. By Le-Chatelier Method (mm) | 1.12 | Not more than 10 mm |
| b. By Autoclave (%) | 0.040 | Not more than 0.8 % |
| Setting Time: | | |
| a. Initial Setting Time (minutes) | 160 | Not less than 30 |
| b. Final Setting Time (minutes) | 245 | Not more than 600 |
| Compressive Strength (MPa) | | |
| a. 3 days | 26.50 | Not less than 16 |
| b. 7 days | Awaited | Not less than 22 |
| c. 28 days | Awaited | Not less than 33 |
| d. Drying Shrinkage(%) | Awaited | Not more than 0.15 |
| e. Flyash Addition (%) | 31.17 | Not more than 35 |
| B. CHEMICAL REQUIREMENTS | | |
| a. Insoluble Residue (%) | 28.05 | $X+4(100-X)/100$; X = % of Flyash |
| b. Magnesia (%) | 1.00 | Not more than 6.0 |
| c. Sulphuric Anhydride (%) | 2.38 | Not more than 3.5 |
| d. Loss on Ignition (%) | 2.35 | Not more than 5.0 |
| e. Alkali Content (%) | 0.65 | Not more than 0.90 |
| f. Temperature During Testing(°C) | 27.50 | 27 ± 2 |

Section In-Charge (Q.C)

Authorised Signature