





DASTAN, PALSANA, DIST. SURAT (GUJ.)

LICENCE NO. CM/L-7200051996

TEST CERTIFICATE

Customer Name & Address:

Certificate (ULR) No.: TC80131900000037P

Sample Identification: Ordinary Portland Cement – 53 Grade (As per IS 269: 2015)

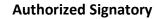
Sample Date : 05.02.2019 to 11.02.2019 (Week No : 06) Date of Issue: 20.02.2019

| Sr. No | Particulars | Test Method | Requirement of IS:269 | Results Obtained |
|-----------|---|------------------------------|--|------------------------------|
| | Chen | nical Requirements | S | |
| 1 | Ratio of Percentage of Lime to percentage of silica, alumina and iron oxide $ \text{CaO} = 0.7\text{SO}_3 \\$ | IS : 4032 - 1985 | Not greater than 1.02 And not less than 0.80 | 0.882 |
| 2 | Ratio of percentage of alumina to that of iron oxide | IS : 4032 - 1985 | Not less than 0.66 | 1.53 |
| 3 | Insoluble residue(% by mass) | IS : 4032 - 1985 | Not more than 5.0 | 2.14 |
| 4 | Magnesia(% by mass) | IS : 4032 - 1985 | Not more than 6.0 | 2.60 |
| 5 | Total sulphur calculated as Sulphuric Anhydride (SO₃) (% by mass) | IS : 4032 - 1985 | Not more than 3.5 | 2.78 |
| 6 | Total loss on ignition (% by mass) | IS : 4032 - 1985 | Not more than 4.0 | 1.66 |
| 7 | Chloride(% by mass)* | IS : 4032 - 1985 | Not more than 0.1 | 0.024 |
| | Mech | anical Requirement | s | |
| 1 | Fineness (m²/kg) | IS : 4031 (Part-2) - 1999 | Not less than 225 | 335 |
| 2 | Normal Consistency (%) | IS : 4031 (Part-4) - 1988 | - | 27.50 |
| 3 | Soundness: a) Le-chateliere expansion (mm) b) Autoclave test expansion (%) | IS : 4031 (Part-3) - 1988 | Not more than 10 Not more than 0.8 | 1.0 0.090 |
| 4 | Setting Time: a) Initial setting time (Minutes) b) Final setting time (Minutes) | IS : 4031 (Part-5) - 1988 | Not less than 30 Not more than 600 | 135 185 |
| 5 | Compressive Strength: a) 72 ± 1 Hours (3 Days) (MPa) b) 168 ± 2 Hours (7 Days) (MPa) c) 672 ± 4 Hours (28 Days) (MPa) | IS : 4031 (Part-6) - 1988 | Not less than 27 Not less than 37 Not less than 53 | 38.6 47.5 Under Testin |

Remarks: Results reported above are the average test results of all sample testing during the relevant week.















^{*:} Not covered under NABL Accreditation at present.