

# LC<sup>3</sup> CEMENT SAMPLE PROVIDED BY IIT NEW DELHI (Tested at Ambuja Nagar)

## Chemical Test Results

- LOI ( %) -7.04
- IR ( %) -18.15
- SO<sub>3</sub> ( %) -2.16
- CaO ( %) -45.73
- Cl ( %) -0.010
- Alkalies ( %) (As total Na<sub>2</sub>O) -0.31

## Physical Test Results

- Blaine (m<sup>2</sup>/kg) -470
  - NC( % ) -31.75
- Setting Time:-
- IST(min) -75
  - FST(min) -125
  - Le- Chat (%) -0.50
  - Autoclave(%) -0.01

### Compressive Strength:-

- 1 Day (Mpa) - 9.7
- 3 Days (Mpa) -29.5
- 7 Days (Mpa) -40.6
- 28 Days (Mpa) -52.6