



**Coromandel
KING**
SUPERIOR 53 GRADE CEMENT

TEST CERTIFICATE

PERMITTED PERF. IMPROVERS ADDED : LIME STONE - 2% FLY ASH - 3%

WEEK NO. : **3/2017**

PARTICULARS

TEST RESULTS REQUIREMENT AS PER IS : 12269-2013

1. CHEMICAL

a. LOI	2.08	Not more than 4%
b. IR	1.70	Not more than 5%
c. So ₃	2.38	Not more than 3.5% for C ₃ A, less than 5% and 3.0% for C ₃ A more than 5%
d. MgO	1.12	Not more than 6.0%
e. A/F	1.18	Not less than 0.66
f. LSF	0.94	Between 0.66 and 1.02

2. PHYSICAL

a. Specific Surface	290	Not less than 225 m ² /kg
b. Setting time		
Initial	150	Not less than 30 minutes
Final	265	Not more than 600 minutes
c. Soundness		
Le-chatelier	1.0	Not more than 10 mm
Autoclave	0.061	Not more than 0.8%
d. Compressive Strength		
a) 72±1hr. (3 days)	34	Not less than 27 MPa
b) 168±2hr. (7 days)	44	Not less than 37 MPa
c) 672±4hrs. (28 days)	UnderTesting	Not less than 53 MPa

IS : 12269



THE INDIA CEMENTS LIMITED

AN ISO 9001-2008 CERTIFICATED COMPANY

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