



शौर्य सिमेन्ट  
इण्डस्ट्रिज प्रा. लि.

SHAURYA CEMENT PVT.LTD  
TEST CERTIFICATE  
ORDINARY PORTLAND CEMENT (OPC -43Grade)

Lab Temp (°C): 27±2

SAND: STANDARD SAND

Water : DISTILED WATER FOR CHEMICAL AND PHYSICALTEST

Date: 20.09.2021

Sample Description (Week/Month/Year): 33/08/2021

S. No.	Characteristic(s)	Test Result (s)	Requirement as per NS/49-2055
<b>CHEMICAL REQUIREMENTS</b>			
1	LSF (Lime Saturation Factor)	0.85	0.66( min) to 1.02 (max)
2	Alumina Modulus	1.25	Min 0.66
3	Insoluble Residue (%)	1.22	Max. 2.00
4	Magnesia (%)	2.28	Max. 5.00
5	Sulphuric Anhydride (%)	1.89	Max. 3.00
6	Loss on Ignition (%)	1.52	Max. 4.00
<b>PHYSICAL REQUIREMENTS</b>			
1	Specific Surface Area (M <sup>2</sup> /kg)	302	Min. 225
2	Normal Consistency (%)	29.00	NA
3	Soundness a) Le-Chatelier (mm) b) Autoclave (%)	1.00 0.024	Max. 10 Max. 0.80
4	Setting Time (minutes) a) Initial b) Final	150 240	Min. 45 Max. 600
5	Compressive Strength in (MPa) a) 72±1 Hr(3 days) b) 168± 2Hr(7 days) c) 672 ± 4Hr (28 days)	31.00 40.80 53.00	Min. 23 Min. 33 . 43 (min)& 58 (max)

The above cement complies to NS 49/ - 2055 Ordinary Portland Cement 43 grade

N. Hpelli

Prepaed by

R.MURALI

H.O.D. (QC)