



शौर्य सिमेन्ट  
इण्डस्ट्रिज प्रा. लि.

SHAURYA CEMENT PVT.LTD  
TEST CERTIFICATE  
PORTLAND SLAG CEMENT

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	Insoluble Residue (%)	<b>1.14</b>	Max. 4.00
2	Magnesia (%)	<b>2.26</b>	Max. 8.00
3	Sulphuric Anhydride (%)	<b>1.78</b>	Max. 3.00
4	Sulphide Sulphur (%)	<b>0.52</b>	Max. 1.50
5	Loss on Ignition (%)	<b>1.22</b>	Max. 5.00
<b>PHYSICAL REQUIREMENTS</b>			
1	Specific Surface Area (M <sup>2</sup> /kg)	<b>332</b>	Min. 225
2	Normal Consistency (%)	<b>32.00</b>	NA
3	Soundness		
	a) Le-Chatelier (mm)	<b>1.00</b>	Max. 10
	b) Autoclave (%)	<b>0.022</b>	Max. 0.80
4	Setting Time (minutes)		
	a) Initial	<b>140</b>	Min. 45
	b) Final	<b>250</b>	Max. 600
5	Compressive Strength in (MPa)		
	a) 72±1 Hr(3 days)	<b>25.40</b>	Min. 16
	b) 168± 2Hr(7 days)	<b>33.50</b>	Min. 22
	c) 672 ± 4Hr (28 days)	<b>48.60</b>	Min 33

The above cement complies to NS -384/ - 2055 Portland Slag Cement.

N. H. pelli

Prepaed by

R.MURALI

H.O.D. (QC)