

**PYRAMID INDUSTRIES PVT. LTD.****TEST CERTIFICATE FOR PORTLAND SLAG
CEMENT**

Sr. No.	Particular	Requirement	Buildcem Result
		IS : 455 - 2015	
<u>CHEMICAL TEST</u>			
1	<i>Magnesium Oxide (Mgo)</i>	10% MAX	4.83%
2	<i>Sulper tri oxide (SO3)</i>	3% MAX	1.74%
3	<i>Sulphide Sulphur (S)</i>	1.5% MAX	0.50%
4	<i>Loss of Ignition</i>	5% MAX	0.76%
5	<i>Insoluble residue</i>	4% Max	0.82%
6	<i>Total Chloride Content</i>	0.1% MAX	0.020%
7	<i>Alkalies % K2O</i>		0.20%
8	<i>Alkalies % Na2O</i>		0.02%
<u>PHYSICAL TEST</u>			
A	<i>Fineness</i>	225 m2/Kg. Min	321
B	<i>Soundness</i>		
	<i>1) Lechatelier</i>	10 mm Max	2
	<i>2) Autoclave</i>	0.8% Max	0.32%
C	<i>Setting Time</i>		
	<i>1) Initial</i>	30 Minutes Min	90 Minutes
	<i>2) Final</i>	600 Minutes Max	210 Minutes
D	<i>Compressive Strength</i>		
	<i>1) 3 Days (72+ / - 1 Hrs)</i>	16.0 Mpa Min	24.00Mpa
	<i>2) 7 Days (168+ / - 1 Hrs)</i>	22.0 Mpa Min	35.00Mpa
	<i>3) 28 Days (672+ / - 1 Hrs)</i>	33.0 Mpa Min	50.00Mpa

WEEK NO.

The mark of Concrete Strength

DATE :

(QC HEAD)

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