

PORTLAND SLAG CEMENT (IS:455-1989) Test Result are

SAMPLE TEST TYPE	RESULT OBTAINED FROM TEST	REQUIREMENT IS:455-1989
CHEMICAL TEST		
1. Magnesium oxide(Mgo)	5.28	10 %Max.
2. Sulper tri oxide (SO3)	1.09	3% Max
3. % Sulphide sulphur (S)	0.65	1.5% Max
4. Loss of Ignition	1.15	5 % Max
5. Insoluble residue	1.11	4% Max
6. Total Chloride Content	0.046	0.10% Max
7. Alkalies % K2O	1.48	
8. Alkalies % Na2O	0.30	
PHYSICAL TEST		
A Fineness	360	225 m2/kg. Min
B Soundness		
1. Lechatelier	1.0	10 mm Max
2. Autoclave	0.128	0.8 % Max
C Setting Time		
1. Initial	124	30 Minutes Min
2. Final	224	600 Minutes Max
D Compressive Strength		
1. 3 Days (72+/- 1Hrs)	29.6	16.0 Mpa Min
2. 7 Days (168+/- 1Hrs)	39.3	22.0 Mpa Min
3. 28 Days (672+/- 1Hrs)	50.0	33.0 Mpa Min