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TEST CERTIFICATE

IS:1489 (Part-1)



CM/L-4596685

PORTLAND POZZOLANA CEMENT(FLY ASH BASED)

Despatched from: 15.01.2018 TO 21.01.2018

Week No: 3

A. PHYSICAL REQUIREMENTS	RESULTS	As per IS 1489 (Part-1) 2015
Fineness:		
a. Specific Surface (m ² /kg)	327	Not less than 300
b. Normal Consistency (%)	32.50	---
Soundness:		
a. By Le-Chatelier Method (mm)	0.50	Not more than 10 mm
b. By Autoclave (%)	0.039	Not more than 0.8 %
Setting Time:		
a. Initial Setting Time (minutes)	160	Not less than 30
b. Final Setting Time (minutes)	265	Not more than 600
Compressive Strength (MPa)		
a. 3 days	26	Not less than 16
b. 7 days	36	Not less than 22
c. 28 days	56	Not less than 33
d. Drying Shrinkage(%)	Awaited	Not more than 0.15
e. Flyash Addition (%)	33.80	Not more than 35
B. CHEMICAL REQUIREMENTS		
a. Insoluble Residue (%)	30.42	$X+4(100-X)/100$; X = % of Flyash
b. Magnesia (%)	0.89	Not more than 6.0
c. Sulphuric Anhydride (%)	2.19	Not more than 3.0
d. Loss on Ignition (%)	1.93	Not more than 5.0
e. Temperature During Testing(°C)	27.00	27 ± 2


Section In-Charge (Q.C)


HOD (Q.C)