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IS:1489 (Part-1)



CM/L :4596685

TEST CERTIFICATE (PPC)

Product : VICAT - DURAMATE

Week No: 9

Despatched From : 26-02-2023 TO 04-03-2023

A. PHYSICAL REQUIREMENTS	RESULTS	As per IS 1489 (Part-1) 2015
Fineness:		
a. Specific Surface (m ² /kg)	324	Not less than 300
b. Normal Consistency (%)	31.50	-----
Soundness:		
a. By Le-Chatelier Method (mm)	1.00	Not more than 10 mm
b. By Autoclave (%)	0.04	Not more than 0.8 %
Setting Time:		
a. Initial Setting Time (minutes)	155	Not less than 30
b. Final Setting Time (minutes)	250	Not more than 600
Compressive Strength (MPa)		
a. 3 days	23.06	Not less than 16
b. 7 days	32.32	Not less than 22
c. 28 days	51.56	Not less than 33
d. Drying Shrinkage(%)	0.018	Not more than 0.15
e. Flyash Addition (%)	29.28	Not more than 35
B. CHEMICAL REQUIREMENTS		
a. Insoluble Residue (%)	25.69	$X+4(100-X)/100$; X = % of Flyash
b. Magnesia (%)	0.94	Not more than 6.0
c. Sulphuric Anhydride (%)	2.42	Not more than 3.5
d. Loss on Ignition (%)	2.12	Not more than 5.0
e. Alkali Content (%)	0.56	Not more than 0.90
i. Temperature During Testing °C	27.20	27 ± 2

Manager - QC

HOD - QC