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IS:1489 (Part-1)



CM/L :4596685

TEST CERTIFICATE (PPC)

Product : VICAT - DURAMATE

Week No: 10

Despatched From : 05-03-2023 TO 11-03-2023

A. PHYSICAL REQUIREMENTS	RESULTS	As per IS 1489 (Part-1) 2015
Fineness:		
a. Specific Surface (m ² /kg)	320	Not less than 300
b. Normal Consistency (%)	31.25	-----
Soundness:		
a. By Le-Chatelier Method (mm)	1.50	Not more than 10 mm
b. By Autoclave (%)	0.05	Not more than 0.8 %
Setting Time:		
a. Initial Setting Time (minutes)	150	Not less than 30
b. Final Setting Time (minutes)	250	Not more than 600
Compressive Strength (MPa)		
a. 3 days	23.45	Not less than 16
b. 7 days	33.16	Not less than 22
c. 28 days	51.88	Not less than 33
d. Drying Shrinkage(%)	Awaited	Not more than 0.15
e. Flyash Addition (%)	29.34	Not more than 35
B. CHEMICAL REQUIREMENTS		
a. Insoluble Residue (%)	25.73	$X+4(100-X)/100$; X = % of Flyash
b. Magnesia (%)	0.95	Not more than 6.0
c. Sulphuric Anhydride (%)	2.40	Not more than 3.5
d. Loss on Ignition (%)	2.25	Not more than 5.0
e. Alkali Content (%)	0.76	Not more than 0.90
i. Temperature During Testing °C	27.50	27 ± 2

Manager - QC

HOD - QC