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IS:1489 (Part-1)



CM/L :4596685

**TEST CERTIFICATE (PPC)**

Product : VICAT - DURAMATE

Week No: 13

Despatched From : 26-03-2023 TO 01-04-2023

A. PHYSICAL REQUIREMENTS	RESULTS	As per IS 1489 (Part-1) 2015
<b>Fineness:</b>		
a. Specific Surface (m <sup>2</sup> /kg)	321	Not less than 300
b. Normal Consistency (%)	31.25	-----
<b>Soundness:</b>		
a. By Le-Chatelier Method (mm)	1.00	Not more than 10 mm
b. By Autoclave (%)	0.04	Not more than 0.8 %
<b>Setting Time:</b>		
a. Initial Setting Time (minutes)	140	Not less than 30
b. Final Setting Time (minutes)	240	Not more than 600
<b>Compressive Strength (MPa)</b>		
a. 3 days	23.24	Not less than 16
b. 7 days	32.96	Not less than 22
c. 28 days	Awaited	Not less than 33
d. Drying Shrinkage(%)	Awaited	Not more than 0.15
e. Flyash Addition (%)	29.44	Not more than 35
<b>B. CHEMICAL REQUIREMENTS</b>		
a. Insoluble Residue (%)	25.81	$X+4(100-X)/100$ ; X = % of Flyash
b. Magnesia (%)	0.99	Not more than 6.0
c. Sulphuric Anhydride (%)	2.36	Not more than 3.5
d. Loss on Ignition (%)	2.55	Not more than 5.0
e. Alkali Content (%)	0.79	Not more than 0.90
i. Temperature During Testing °C	27.50	27 ± 2

Manager - QC

HOD - QC