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IS:269



CM/L :4578077

**TEST CERTIFICATE (OPC - 53 Grade)**

Product : VICAT - OPTIMATE

Week No:

11

Despatched From : 12-03-2023 TO 18-03-2023

A. PHYSICAL REQUIREMENTS	RESULTS	As per IS 269 – 2015
<b>Fineness:</b>		
a. Specific Surface (m <sup>2</sup> /kg)	284	Not less than 225
b. Normal Consistency (%)	29.0	-----
<b>Soundness:</b>		
a. By Le-Chatelier Method (mm)	1.50	Not more than 10 mm
b. By Autoclave (%)	0.05	Not more than 0.8 %
<b>Setting Time:</b>		
a. Initial Setting Time (minutes)	150	Not less than 30
b. Final Setting Time (minutes)	255	Not more than 600
<b>Compressive Strength (MPa)</b>		
a. 3 days	34.56	Not less than 27
b. 7 days	44.16	Not less than 37
c. 28 days	Awaited	Not less than 53
<b>B. CHEMICAL REQUIREMENTS</b>		
a. Lime Saturation Factor	0.89	0.80 – 1.02
b. Aluminum Modules	1.34	Not less than 0.66
c. Insoluble Residue (%)	2.14	Not more than 5.0
d. Magnesia (%)	1.20	Not more than 6.0
e. Sulphuric Anhydride (%)	2.80	Not more than 3.5
f. Loss on Ignition (%)	2.08	Not more than 4.0
g. Chlorides (%)	0.01	Not more than 0.1
h. Alkali Content (%)	0.55	Not more than 0.6
i. Temperature During Testing °C	27.50	27 ± 2

  
 Manager - QC

  
 HOD - QC