

**TEST CERTIFICATE (OPC - 53 Grade)****Product : VICAT - OPTIMATE****Week No: 30****Despatched from: 23.07.2021 to 29.07.2021**

A. PHYSICAL REQUIREMENTS	RESULTS	As per IS 269 – 2015
<b>Fineness:</b>		
a. Specific Surface (m <sup>2</sup> /kg)	297	Not less than 225
b. Normal Consistency (%)	30.00	-----
<b>Soundness:</b>		
a. By Le-Chatelier Method (mm)	1.36	Not more than 10 mm
b. By Autoclave (%)	0.04	Not more than 0.8 %
<b>Setting Time:</b>		
a. Initial Setting Time (minutes)	155	Not less than 30
b. Final Setting Time (minutes)	245	Not more than 600
<b>Compressive Strength (MPa)</b>		
a. 3 days	35.43	Not less than 27
b. 7 days	45.71	Not less than 37
c. 28 days	59.14	Not less than 53
<b>B. CHEMICAL REQUIREMENTS</b>		
a. Lime Saturation Factor	0.91	0.80 – 1.02
b. Aluminum Modules	1.18	Not less than 0.66
c. Insoluble Residue (%)	2.54	Not more than 5.0
d. Magnesia (%)	1.03	Not more than 6.0
e. Sulphuric Anhydride (%)	2.44	Not more than 3.5
f. Loss on Ignition (%)	2.56	Not more than 4.0
g. Chlorides (%)	0.020	Not more than 0.1
h. Alkali Content (%)	0.42	Not more than 0.6
i. Temperature During Testing °C	26.70	27 ± 2

**Section In-Charge (Q.C)****Authorised Signature**