

**TEST CERTIFICATE (OPC - 53 Grade)****Product : VICAT - OPTIMATE****Week No: 33****Despatched from: 13.08.2021 to 19.08.2021**

A. PHYSICAL REQUIREMENTS	RESULTS	As per IS 269 – 2015
Fineness:		
a. Specific Surface (m ² /kg)	301	Not less than 225
b. Normal Consistency (%)	30.00	-----
Soundness:		
a. By Le-Chatelier Method (mm)	1.36	Not more than 10 mm
b. By Autoclave (%)	0.05	Not more than 0.8 %
Setting Time:		
a. Initial Setting Time (minutes)	140	Not less than 30
b. Final Setting Time (minutes)	245	Not more than 600
Compressive Strength (MPa)		
a. 3 days	35.14	Not less than 27
b. 7 days	45.71	Not less than 37
c. 28 days	Awaited	Not less than 53
B. CHEMICAL REQUIREMENTS		
a. Lime Saturation Factor	0.90	0.80 – 1.02
b. Aluminum Modules	1.17	Not less than 0.66
c. Insoluble Residue (%)	2.42	Not more than 5.0
d. Magnesia (%)	0.93	Not more than 6.0
e. Sulphuric Anhydride (%)	2.40	Not more than 3.5
f. Loss on Ignition (%)	2.09	Not more than 4.0
g. Chlorides (%)	0.030	Not more than 0.1
h. Alkali Content (%)	0.40	Not more than 0.6
i. Temperature During Testing °C	26.60	27 ± 2

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