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Works : Chatrasala (V), Kharchkhed (Post) - 585 320, Chincholi (Tq.), Gulbarga Dist.

IS:269



CM/L :4578077

TEST CERTIFICATE (OPC - 53 Grade)

Product : VICAT - OPTIMATE

Week No:

11

Despatched From : 12/3/2025 TO 18/3/2025

A. PHYSICAL REQUIREMENTS (as per IS:4031)	RESULTS	As per IS 269 – 2015
Fineness:		
a. Specific Surface (m ² /kg)	289	Not less than 225
b. Normal Consistency (%)	29.00	-----
Soundness:		
a. By Le-Chatelier Method (mm)	2.00	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)	235	Not more than 600
Compressive Strength (MPa)		
a. 3 days	33.60	Not less than 27
b. 7 days	Awaited	Not less than 37
c. 28 days	Awaited	Not less than 53
B. CHEMICAL REQUIREMENTS (as per IS:4032)		
a. Lime Saturation Factor	0.91	0.80 – 1.02
b. Aluminum Modules	1.17	Not less than 0.66
c. Insoluble Residue (%)	1.80	Not more than 5.0
d. Magnesia (%)	1.06	Not more than 6.0
e. Sulphuric Anhydride (%)	3.07	Not more than 3.5
f. Loss on Ignition (%)	1.96	Not more than 4.0
g. Chlorides (%)	0.02	Not more than 0.1
h. Alkali Content (%)	0.59	Not Specified
i. Temperature During Testing °C	27.40	27 ± 2
j. Specific Gravity	3.14	3.12

Asst Manager-QC

HOD - QC