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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: 20

Despatched From : 14/5/2025 TO 20/5/2025

A. PHYSICAL REQUIREMENTS (as per IS:4031)	RESULTS	As per IS 269 – 2015
Fineness:		
a. Specific Surface (m ² /kg)	293	Not less than 225
b. Normal Consistency (%)	29.50	-----
Soundness:		
a. By Le-Chatelier Method (mm)	2.25	Not more than 10 mm
b. By Autoclave (%)	0.06	Not more than 0.8 %
Setting Time:		
a. Initial Setting Time (minutes)	155	Not less than 30
b. Final Setting Time (minutes)	255	Not more than 600
Compressive Strength (MPa)		
a. 3 days	33.40	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	0.90	0.80 – 1.02
b. Aluminum Modules	1.19	Not less than 0.66
c. Insoluble Residue (%)	1.86	Not more than 5.0
d. Magnesia (%)	1.13	Not more than 6.0
e. Sulphuric Anhydride (%)	2.99	Not more than 3.5
f. Loss on Ignition (%)	1.92	Not more than 4.0
g. Chlorides (%)	0.01	Not more than 0.1
h. Alkali Content (%)	0.51	Not Specified
i. Temperature During Testing °C	27.60	27 ± 2
j. Specific Gravity	3.14	3.12

Asst Manager-QC

HOD - QC