

IS: 269: 2015


**Ambuja
Cement**
Ambuja Cements Limited

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adani
Cement

CM/L -7029261

Unit: Panvel - Dispatch Units

Test Certificate

(For Ordinary Portland Cement-OPC 53)



Dispatched during Week No.	WK- 52	From-	23/12/2024	Reference No.
Test Certificate No.- Dated -	52 06/01/2025	To-	29/12/2024	PANVEL/LAB/TC/52

S.N.	Parameters	Test Results	Requirement as per IS 269: 2015 – OPC 53
Chemical Parameters			
i)	Insoluble Residue (% by mass)	0.92	Not More than 5.0%
ii)	Loss on Ignition (% by mass)	1.81	Not More than 4.0%
Physical Parameters			
i)	Fineness-Specific Surface Area (m ² /kg)	316	Not Less than 225
ii)	Compressive Strength (MPa)		
	a) 72 ± 1h (3 Days)	37.2	Not less than 27.0
	b) 168 ± 2h (7 Days)	46.5	Not less than 37.0
	c) 672 ± 4h (28 Days)	U.T.	Not less than 53.0
iii)	Setting Time (Minutes)		
	a) Initial	135	Not less than 30 minute
	b) Final	205	Not more than 600 minute
iv)	Soundness		
	a) By Le-Chatelier Method (mm)	1.00	Not more than 10.0 mm
	b) By Autoclave Test Method (%)	0.03	Not more than 0.8%
	Temp. During Testing (°C)	27	(27 ± 2)°C

Type of PI (Performance Improver) added (As per IS 269:2015)	-
PI (Percent Addition by mass) - Not more than 5.0%	-
Normal Consistency %	27.5

The test results of above cement tested as per IS 4031 complying with the requirements of IS 269:2015 for Ordinary Portland Cement – OPC 53 Grade.

Authorised Signatory
Head Quality/Production

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