

IS: 269: 2015



CM/L -7029261

**Ambuja  
Cement**
**Ambuja Cements Limited**

 Registered Office: Corporate office: ADANI Corporate House, Shantigram, Near Vaishnav Devi  
 Circle, S.G. Highway, Khodiyar, Ahmedabad, Gujarat - 382421  
 Tel. No.: +91 7925555555, Email: [consumer.care@adani.com](mailto:consumer.care@adani.com)
**adani**  
 Cement

**Unit: Panvel - Dispatch Units**

## Test Certificate

(For Ordinary Portland Cement–OPC 53)



Dispatched during Week No.	WK- 08	From-	19/02/2025	Reference No.
Test Certificate No.- Dated -	08 05/03/2025	To-	25/02/2025	PANVEL/LAB/TC/08

S.N.	Parameters	Test Results	Requirement as per IS 269: 2015 – OPC 53
<b>Chemical Parameters</b>			
i)	Insoluble Residue (% by mass)	1.01	Not More than 5.0%
ii)	Loss on Ignition (% by mass)	2.16	Not More than 4.0%
<b>Physical Parameters</b>			
i)	Fineness–Specific Surface Area (m <sup>2</sup> /kg)	331	Not Less than 225
<b>Compressive Strength (MPa)</b>			
ii)	a) 72 ± 1h (3 Days)	36.5	Not less than 27.0
	b) 168 ± 2h (7 Days)	45.7	Not less than 37.0
	c) 672 ± 4h (28 Days)	U.T.	Not less than 53.0
<b>Setting Time (Minutes)</b>			
iii)	a) Initial	125	Not less than 30 minute
	b) Final	195	Not more than 600 minute
<b>Soundness</b>			
iv)	a) By Le-Chatelier Method (mm)	1.50	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 %	28.5

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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