

# Ambuja Cements Ltd.

IS 269: 2015



CM/L-7029261

(UNIT : PANVEL)

Moha Village, Tal. Panvel, Dist. Raigad - 410206



## TEST CERTIFICATE

Date: 09/09/2020

For

53 Grade ordinary Portland Cement Test & Compliance

Sr.No.	Characteristic	Requirement as per IS 269 : 2015	Test Result
<b>CHEMICAL REQUIREMENTS</b>			
1	Total - Loss on Ignition (%)	4.0 (Max.)	1.92
2	Insoluble Residue (% by Mass)	5.0 (Max.)	1.31
<b>PHYSICAL REQUIREMENTS</b>			
1	<b>Fineness</b>		
	Specific Surface m <sup>2</sup> / Kg.	225 (Min.)	319
2	<b>Setting Time (Minutes)</b>		
	(a) Initial	30 (Min.)	105
	(b) Final	600 (Max.)	150
3	<b>Soundness</b>		
	Expansion by		
	(a) Le-chatelier Method (mm)	10 (Max.)	1.00
	(b) Auto Clave (%)	0.8 (Max.)	0.05
4	<b>Compressive Strength in Mpa</b>		
	(a) 72 ± 1h (3 days)	27 (Min.)	41.2
	(b) 168 ± 2h (7 days)	37 (Min.)	51.6
	(c) 672 ± 4h (28 days)	53 (Min.)	70.2
5	<b>Performance Improver</b>		
	Limestone (% by mass)	5.0 (Max.)	---

The Above cement complies with the requirements of IS : 269 - 2015 for 53 Grade Ordinary Portland Cement.

Week No. : 32 / 2020

  
Authorised Signatory

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**Ambuja  
Cement**