

## Test Certificate Lucky Supreme (Grade-53)

Lucky Cement is manufacturing Ordinary Port Land cement in accordance with PS-232-2008.

The particulars of both the specifications and Lucky Cement average test results are mentioned below.

<b>Date: 01.06.2026</b>	<b>Limits PSS-232-2008</b>	<b>Lucky Cement's</b>
<b><u>Chemical Analysis:</u></b>	<b>(Grade-53)</b>	<b>Test Results</b>
➤ L.O.I. %	: Max. 3.00	1.25
➤ I.R. %	: Max. 1.50	0.47
➤ SiO <sub>2</sub> %	: -	20.70
➤ Al <sub>2</sub> O <sub>3</sub> %	: -	5.03
➤ Fe <sub>2</sub> O <sub>3</sub> %	: -	3.24
➤ CaO %	: -	62.97
➤ MgO %	: Max. 6.00	2.75
➤ SO <sub>3</sub> %	: Max. 3.00	2.51
➤ LSF	: 0.80 – 1.02	0.93
➤ Na <sub>2</sub> O %	: -	0.23
➤ K <sub>2</sub> O %	: -	0.76
➤ C <sub>3</sub> S %	: -	53.34
➤ C <sub>2</sub> S %	: -	19.10
➤ C <sub>3</sub> A %	: -	7.85
➤ C <sub>4</sub> AF %	: -	9.86
➤ Cl %	: Max. 0.01	0.01
<b><u>Physical Tests:</u></b>		
➤ <b><u>Fineness</u></b>		
Blaine (m <sup>2</sup> /Kg)	: Min. 229	344
➤ <b><u>Soundness</u></b>		
Le-Chatlier expansion (mm)	: Max. 10.00	1.0
➤ <b><u>Setting Time:</u></b>		
Initial Setting Time (Minutes)	: Min. 30	160
Final Setting Time (Minutes)	: Max. 600	215
➤ <b><u>Compressive Strength of Mortar Cubes:</u></b>		
3 Days (MPa)	: Min. 27	37.50
7 Days (MPa)	: Min. 37	47.30
28 Days (MPa)	: Min. 53	60.20

  


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**DY.GEN.MANAGER (Q.C)**