



An ISO 9001:2015 Company

# Anjani Portland Cement Limited

(A Subsidiary of Chettinad Cement Corporation Pvt. Limited)

## Composite Cement Test Certificate

Ref.: APCL/QUAS/TEST/W.No: 46  
QUAS/F - 26

Date of Despatch: 16.11.2023

Particulars	Test Result	Requirement as per IS 16415 : 2015
<b>CHEMICAL ( As per IS: 4032-1985)</b>		
<ul style="list-style-type: none"><li>LOI (%)</li><li>I.R. (%)</li></ul>	<p>3.24 16.86</p>	<p>5.0 Max. Max:<math>X+4(100-X)</math> 100 Min : <math>0.60 \times X</math> (Where X is Declared % of Fly ash)</p>
<ul style="list-style-type: none"><li>SO<sub>3</sub> (%)</li><li>MgO (%)</li><li>Chloride (%)</li><li>Sulphide Sulphur (%)</li></ul>	<p>2.18 1.12 0.05 0.12</p>	<p>3.5 Max. 8.0 Max. 0.10 Max. 0.75 Max.</p>
<b>PHYSICAL (As per IS: 4031-1988)</b>		
<ul style="list-style-type: none"><li>Fineness (M<sup>2</sup>/Kg)</li></ul>	358	300 Min.
<b>SOUNDNESS:</b>		
<ul style="list-style-type: none"><li>Le-Chatlier (mm)</li></ul>	1.0	10 Max.
<ul style="list-style-type: none"><li>Autoclave (%)</li></ul>	0.016	0.8 Max.
<b>SETTING TIME (Minutes)</b>		
<ul style="list-style-type: none"><li>Initial</li></ul>	145	30 Min.
<ul style="list-style-type: none"><li>Final</li></ul>	250	600 Min.
<b>COMPRESSIVE STRENGTH (M Pa)</b>		
<ul style="list-style-type: none"><li>3 Days</li><li>7 Days</li><li>28 Days</li></ul>	<p>26.0 36.3 47.5</p>	<p>23 Min. 33 Min. 43 Min.</p>

Certified that the cement complies  
With IS 16415 : 2015

D.G.M (QUAS & Ope)

Unit Head

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