



TEST REPORT

1. NO : CT24-001894E

2. Client

○ Name : Hanil Cement Co., Ltd

○ Address : #245, Maepo gil, Maepo-eup, Danyang-gun, Chungbuk, Korea

3. Date of Test : 2024.01.04 ~ 2024.02.05

4. Use of Report : Quality control

5. Test Sample : Portland Cement Type I

6. Test Method

(1) KS L 5110:2021

(2) KS L 5201:2021

Affirmation	Tested By Name : Ho Kyu Kim	Technical Manager Name : Lee, Bong Chun
<p>This report is not accredited by KOLAS and KS Q ISO/IEC 17025. Our report apply only to the standards or procedures identified and to the sample(s) tested unless otherwise specified. The test results are not indicative of representative of the qualities of the lot from which the sample was taken or of apparently identical or similar products. The results of using only a portion of this report cannot be guaranteed. The authenticity of this test report can be checked on KCL website(www.kcl.re.kr).</p>		

2024.02.05

Korea Conformity Laboratories

President Jo, Yung Tae

Result Inquiry : 73, Yangcheong 3-gil, Ochang-eup, Cheongwon-Gu, Cheongju-Si, Chungbuk, Korea (82-43-210-8953)



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7. Test Results

1) Portland Cement Type I

Test Item(s)	Unit	Test Method	Test Results	Remark	Loc.
Specific gravity	Mg/m ³	(1)	3.15	(20±2) °C. (65±10) % R.H.	A
Fineness(blaine)	cm ² /g	(2)	3 760		
Soundness(Lechatelier)	mm	(2)	0.5		
Time of Setting(Initial set)	min	(2)	225		
Time of Setting(Final set)	Hr:min	(2)	6:00		
Compressive strength (3days)	MPa	(2)	31.8		
Compressive strength (7days)	MPa	(2)	42.6		
Compressive strength (28days)	MPa	(2)	53.9		
Ignition loss	%	(2)	2.7	-	
SO ₃	%	(2)	2.7		
MgO	%	(2)	2.5		

※ Location

A : 73, Yangcheong 3-gil, Ochang-eup, Cheongwon-Gu, Cheongju-Si, Chungbuk, Korea

----- End of Report -----

