



# TEST REPORT

1. NO : CT21-006288E

2. Client

○ Name : Hanil Cement Co., Ltd PyeongTaek Plant

○ Address : 5, Dangjinhangman-ro, Sinpyeong-myeon, Dangjin-si, Chungcheongnam-do, Korea

3. Date of Test : 2021.01.11 ~ 2021.03.02



4. Use of Report : Quality Control

5. Test Sample : Portland blast-furnace slag cement(type II)

6. Test Method


(1) KS L 5210:2017



Affirmation	Tested By Name : Hyun Chang Jin 	Technical Manager Name : LEE Hoo Seok 
This report is not accredited by KOLAS. 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( <a href="http://www.kcl.re.kr">www.kcl.re.kr</a> ).		

2021.03.02

Korea Conformity Laboratories

President Yoon, Kap Seok 

Result Inquiry : 26-34, Gajeongbuk-ro, Yuseong-Gu, Daejeon, Korea (82-42-723-3003)



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## 7. Test Results

1) Portland blast-furnace slag cement(type II)

Test Item(s)	Unit	Test Method	Test Results	Remark	Loc.
Density	g/cm <sup>3</sup>	(1)	3.06	-	A
Fineness specific surface blaine	cm <sup>2</sup> /g	(1)	4 010		
Soundness(Lechatelier)	mm	(1)	0.5		
Time of setting vicat needle test initial segregation	min	(1)	250		
Time of setting vicat needle test final segregation	hr:min	(1)	06 : 30		
Compressive strength 3 days of material age	MPa	(1)	25.0		
Compressive strength 7 days of material age	MPa	(1)	32.2		
Compressive strength 28 days of material age	MPa	(1)	60.5		
Ignition loss	%	(1)	2.5		B
MgO	%	(1)	2.8		
Sulfur trioxide(SO <sub>3</sub> )	%	(1)	2.3		

※ Location

A : 26-34, Gajeongbuk-ro, Yuseong-Gu, Daejeon, Korea

B : 252-7, Techno 2-ro, Yuseong-Gu, Daejeon, Korea

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

