



Report N°: 1909170499



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Hai Phong City, Date: 11 September 2019

ANALYSIS REPORT

REF. NO.: 242420.2D

COMPANY: _____ Date received: 04 Sep., 2019
 Address: _____ Province, Date reported: 11 Sep., 2019
 Vietnam.

Two (02) sample bags said to be "Portland cement Type II – Brand: UNO – Purpose of Testing: Original PS Application", were received from the above company. One (01) sample was randomly selected for the test.

MARKING:



On analysis of the sample, the following results as lab report no. HPM19-05789 R0 were obtained:

Parameters	Test methods	Units	Results
Chemical properties			
SiO ₂	ASTM C114-18	%	21.10 (Two one decimal one zero)
MgO		%	0.87 (Zero decimal eight seven)
Fe ₂ O ₃		%	3.12 (Three decimal one two)
Al ₂ O ₃		%	5.09 (Five decimal zero nine)
SO ₃		% not app.	2.29 (Two decimal two nine)
IR		%	0.21 (Zero decimal two one)
LOI		%	1.27 (One decimal two seven)
C ₃ A	ASTM C150/C150M-17	%	8.21 (Eight decimal two one)

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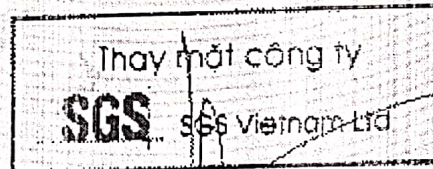
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Parameters	Test methods	Units	Results
Physical properties			
Initial setting time	ASTM C191-13 (AASHTO T131)	min	102 (One zero two)
Final setting time			175 (One seven five)
Fineness (Blaine)	ASTM C204-16 (AASHTO T153)	cm ² /g	3560 (Three five six zero)
Compressive strength:	ASTM C109/C109M-16	MPa	27.2 (Two seven decimal two)
- 3 days			39.7 (Three nine decimal seven)
- 7 days			
Air content	ASTM C185-15a	%	6.1 (Six decimal one)
Autoclave expansion	ASTM C151/C151M-16	%	0.10 (Zero decimal one zero)

REMARK:

- The results are shown in this document refer only to the sample(s) received and tested and not intended to be representative of any lot, cargo or shipment.
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