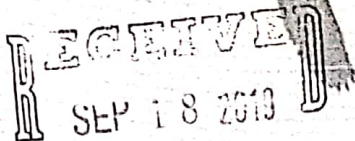




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BY: ..... Hai-Phong City, Date: 11 September 2019

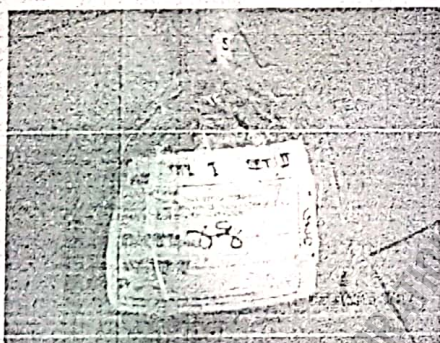
ANALYSIS REPORT

REF. NO.: 242420.2A

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

Two (02) sample bags said to be "Portland cement Type I – 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. HPM19-05788 R0 were obtained:

Parameters	Test methods	Units	Results
<b>Chemical properties</b>			
MgO	ASTM C114-18	%	0.88 (Zero decimal eight eight)
SO <sub>3</sub>		%	2.23 (Two decimal two three)
IR		%	0.21 (Zero decimal two one)
LOI		%	1.31 (One decimal three one)
<b>Physical properties</b>			
Initial setting time	ASTM C191-13	min	102 (One zero two)
Final setting time	(AASHTO T131)		175 (One seven five)
Fineness (Blaine)	ASTM C204-16 (AASHTO T153)	cm <sup>2</sup> /g	3550 (Three five five zero)
Compressive strength:	ASTM C109/C109M-16	MPa	
- 3 days			27.3 (Two seven decimal three)
- 7 days			40.2 (Four zero decimal two)
Air content	ASTM C185-15a	%	5.9 (Five decimal nine)
Autoclave expansion	ASTM C151/C151M-16	%	0.11 (Zero decimal one one)

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**REMARK:**

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