

Certificate N°: 20031300F5



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Hai Phong city, Date: 13 March 2020

CERTIFICATE OF SAMPLING AND TESTING

REF. NO.: 245872.1A

A consignment designated as:

BY: NGC LAND CORPORATION  
 COMMODITY DECLARED: "BARAKO" BRAND TYPE I PORTLAND CEMENT  
 PLACE OF INSPECTION: VIETNAM AND  
 SGS'S LAB  
 DATE OF SAMPLING: ON 01 MARCH 2020  
 DATE OF TESTING: FROM 02 TO 13 MARCH 2020  
 VESSEL NAME: MV. VINASHIP PEARL  
 SCOPE OF INSPECTION: SAMPLING AND TESTING

THIS IS TO REPORT that, in compliance with the instructions received from our principal, we attended at Vietnam with the purpose of carrying out survey of sampling and testing of the above mentioned commodity. At the time of our intervention, the cargo was stored on trucks at Dai Duong port. We hereby report our finding as follows:

**PACKING:** The cargo was packed in @1,000 kg jumbo bags.

**MARKING:** As per below photos, which were randomly checked during loading cargo on board:



Jumbo bag

The findings of the stored Goods inspection contained herein (the "Findings") strictly relate to and cover examination of part or parts of the Goods safely accessible for inspection in accordance with the client's instructions. The Findings only relate to the time and place of inspection and do not constitute nor are intended to constitute evidence of the existence of part or all of the Goods prior to and after the time of inspection. SGS does not control the storage place of the Goods nor has any responsibility for the storage, custody and safety of the Goods. SGS does not guarantee nor make any representation about i) the accuracy and authenticity of the documents presented by the operator of the storage place (if any); ii) ownership of and title to the Goods; iii) quantity and quality of the Goods. SGS accepts no liability for the consequences of any action taken or not taken on the basis of this certificate/report.

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**SAMPLING AND TESTING:** Increment samples were randomly taken from 06 jumbo bags at Dai Duong port, each bag was taken 20 kg then well mixed and divided into 06 parts then distributed as follows:  
 - Set 1: 02 parts of sample (02 x 20 kg) with SGS's seal no. Q1976088 & Q1976089 were used for testing.  
 - Set 2 and 3: 04 parts of sample (04 x 20 kg) with SGS's seal no. Q1976090, Q1976091, Q1976092 & Q1976093 were retained at SGS office and will be disposed after 06 months.

The following results as lab report no.: HPM20-07790 R0 were found:

Parameters	Test methods	Units	Results
MgO	ASTM C114-18	%	3.00 (Three decimal zero zero)
SO <sub>3</sub>		%	1.67 (One decimal six seven)
IR		%	0.23 (Zero decimal two three)
LOI		%	2.74 (Two decimal seven four)
Initial setting time	ASTM C191-13 (AASHTO T131)	min	148 (One four eight)
Final setting time			240 (Two four zero)
Fineness (Blaine)	ASTM C204-16 (AASHTO T153)	cm <sup>2</sup> /g	3770 (Three seven seven zero)
Compressive strength:	ASTM C109/C109M-16	MPa	
- 3 days			18.9 (One eight decimal nine)
- 7 days			28.0 (Two eight decimal zero)
Air content	ASTM C185-15a	%	5.9 (Five decimal nine)
Autoclave expansion	ASTM C151/C151M-16	%	0.03 (Zero decimal zero three)

**ISSUED BY SGS VIETNAM LTD**

The undersigned  
**Nguyen Xuan Bach**  
 Director  
 SGS Vietnam Ltd

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