BANGLADESH UNIVERSITY OF ENGINEERING AND TECHNOLOGY (BUET)



DEPARTMENT OF CIVIL ENGINEERING

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CONCRETE LABORATORY

BRTC No.

1102-52594/21-22/CE; D

Dt. 25/1/2022

Sheet 1 of 1

Sent by

Abu Ahmed Zahid. DGM, Quality Assurance & Lab, M.I. Cement Factory Limited, West Mukterpur, Munshigonj

West Mukterpur, Munshigonj

Ref. No.

-; Dt. 25/1/2022

Project

Portland Composite Cement Test: BDS EN 197-1, CEM II/AM(S-V-L) 42.5N

Sample

Cement

[Brand: Crown Cement; ID: PCC Week-04, January 2022] Type: CEM II/A-M (S-V-L) 42.5N

Date of Casting

29/1/2022 Our ID: RA-18

Manufacturing Date:

Jan-Feb 2022

Test Method & Specification:

ASTM

Test Results of Blended Hydraulic (Portland Composite) Cement

	Age	3 days 7 days 1-Feb-22 5-Feb-22		28 days 26-Feb-22	
Compressive Strength, psi & (Mpa): ASTM 109-11b	Date				
	la financia	3030 psi	3970 psi	5900 psi	
	In figure	(20.9 Mpa)	(27.4 Mpa)	(40.7 Mpa)	
	In words	Three thousand thirty psi	Three thousand nine hundred seventy psi	Five thousand nine hundred psi	
Maximum of Standard Requirements for All Types of IP/IS/IL/IT : ASTM		1890 psi (13 Mpa)	2900 psi (20 Mpa)	3620 psi (25 Mpa)	
Mixing water temperature		22.5 °C	Curing water temperature	20.5 - 25°C	

Water for Normal Consistency: ASTM C187-11		Initial Setting Time (minutes): ASTM C191-08		Final Setting Time (minutes): ASTM C191-08	
Standard Requirements: ASTM C595-19	Test Result	Standard Requirements: ASTM C595-19	Test Result	Standard Requirements: ASTM C595-19	Test Result
****	25%	Not less than 45 minutes	148	Not more than 420 minutes	340

Fineness (Specific Surface), m²/kg:			Density/ Specific Gravity (gm/cc): ASTM C188-09		Weight of Cement Bag (kg)	
Standard Requirements: ASTM C595-	Test result	Standard Requirements	Test Result	Standard Requirements	Test Result	
****	****	Nkyk	****	***	****	

Note: Sample was received in standard bag.

Countersigned by:

Dr. A. B. M. Badruzzaman

Professor, Dept. of Civil Engg., BUET

Test performed by:

26-02-2022

Dr. Raquib Ahsan

Professor, Dept. of Civil Engg., BUET

Important Notes: Samples as supplied to us have been tested in our laboratory. BRTC does not have any responsibility as to the representative character of the samples required to be tested. It is recommended that samples are sent in a secured and sealed cover/packet/container duly signed by a competent authority. In order to avoid fraudulent fabrication of test results, it is also recommended that all the test reports are collected by an authorized person, and not by the Contractor/Supplier.

