



# Report of Mortar Compressive Strength

ASTM C109

**Project Name:** Portland Me - The Park Danforth - Construction Materials Testing Services

**Project Number:** 14-0065.2

**Client:** The Park-Danforth

**Client Contract Number:**

**General Contractor:**

**Masonry Contractor:** ON-SITE

## PLACEMENT INFORMATION

**Date Cast:** 4/13/2016      **Time Cast:** 9:30      **Date Received:** 4/14/2016

**Placement Location:** 8" CMU GARBAGE ROOM BASEMENT

**Batch Method:** HAND

**Product Manufacturer:**

**Specimens Made By:** CHARLES CROMWELL

**Aggregate:**

## INITIAL CURING CONDITIONS

**Min. Temp (°F)**      **Max. Temp (°F)**

## MIX INFORMATION

**Mortar Type:** S

## TEST RESULTS

**Air Temp (°F):** 50

**Mortar Temp (°F) (C-1064):** 50

**Ambient RH (%):**

**Flow Cone (%):**

**Admixtures:**

Cube Designation	Area(In) <sup>2</sup>	Date Of Test	Age (days)	Load (kips)	Strength (psi)
730-52A	4.11	4/20/2016	7	15.4	3750
730-52B	4.15	4/20/2016	7	16.0	3850
730-52C	4.18	4/20/2016	7	16.4	3930
730-52D	4.11	5/11/2016	28	13.0	3160
730-52E	4.13	5/11/2016	28	12.2	2950
730-52F	4.14	5/11/2016	28	15.4	3720

Remarks:

Note: ASTM C270 specifies mortar testing under laboratory conditions only for acceptance of mortar mixes under the property specification. Field sampling and testing of mortar is conducted under ASTM C780 and is used to verify consistency of materials and procedures, not mortar strength.