

# NELSON TESTING LABORATORIES

## Construction Materials

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Harvey Cement Products, Inc.  
16030 Park Avenue  
Harvey, Illinois 60426-5069

May 1, 2007

Attn: Mr. Skip Steck

### REPORT OF TESTS

**SUBJECT:** Physical Analysis of 4"x 8"x 16" Split-Faced, Lightweight Concrete Masonry Units

**PROJECT:** Plant Research – Harvey Cement Products

**SPECIFICATION:** ASTM C 90, "Specification for Loadbearing Concrete Masonry Units"

**TEST METHOD:** ASTM C 140, "Test Methods for Sampling and Testing Concrete Masonry Units and Related Units."

**DATE OF TESTS:** April 27, 2007

**NTL PROJECT #:** 1057-07 (h)

### TEST DATA

**Solids:** 93.5%  
**Net Area:** 54.78 sq.in.  
**Dimensions:** Length (in.) 15.625 Width (in.) 3.75 Height (in.) 7.625

### TEST RESULTS

<b>Physical Properties</b>	<b><u>A</u></b>	<b><u>B</u></b>	<b><u>C</u></b>	<b><u>Average</u></b>
Weight Dry (lbs.)	24.25	23.55	24.05	23.95
Absorption (%)	12.99	13.38	13.27	13.10
Absorption (lbs/cu.ft.)	12.93	13.10	13.27	13.10
Compressive Strength (PSI)	2132	2163	2176	2157
Density (lbs/cu.ft.)	99.55	97.97	99.72	99.08

The tests show compliance with ASTM C 90, "Specification for Loadbearing Concrete Masonry Units".

Respectfully submitted,

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Robert L. Nelson  
Principal