

NELSON TESTING LABORATORIES

Construction Materials

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

May 25, 2007

Attn: Mr. Skip Steck

REPORT OF TESTS

SUBJECT: Physical Analysis of 10"x 8"x 16" Light-Weight 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."

ACI 216.1-97, "Standard Method for Determining Fire Resistance of Concrete and Masonry Construction Assemblies."

DATE OF TESTS: May 24, 2007

NTL PROJECT #: 1072-07 (b)

TEST DATA

Solids: 49.5%
Net Area: 74.45 sq.in.
Dimensions: Length (in.) 15.625 Width (in.) 9.625 Height (in.) 7.625

TEST RESULTS

Physical Properties	<u>A</u>	<u>B</u>	<u>C</u>	<u>Average</u>
Weight Dry (lbs.)	28.85	28.40	28.70	28.65
Absorption (%)	12.82	13.56	12.89	13.09
Absorption (lbs/cu.ft.)	11.24	11.75	11.26	11.42
Compressive Strength (PSI)	2576	2560	2529	2555
Density (lbs/cu.ft.)	87.60	86.66	87.36	87.21

Fire Resistance Rating (ACI 216.1) ----- 4 hours -----

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

Respectfully submitted,

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Robert L. Nelson, Principal