

NELSON TESTING LABORATORIES

Construction Materials

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

August 14, 2007

Attn: Mr. Skip Steck

REPORT OF TESTS

SUBJECT: Physical Analysis of 8"x 8"x 16" Concrete Masonry Units

PROJECT: Plant Research – Harvey Cement Products, Inc.

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

TEST METHODS: ASTM C 140, "Test Methods for Sampling and Testing Concrete Masonry Units and Related Units."
ACI 216.1, "Standard Method for Determining Fire Resistance of Concrete and Masonry Construction Assemblies."

TEST DATA

Solids: 52.3%
Net Area: 62.28 sq.in.
Dimensions: Length (in.) 15.625 Width (in.) 7.625 Height (in.) 7.625

TEST RESULTS

Physical Properties	<u>A</u>	<u>B</u>	<u>C</u>	<u>Average</u>
Weight Dry (lbs.)	29.05	29.25	29.15	29.15
Absorption (%)	10.78	10.36	10.55	10.57
Absorption (lbs/cu.ft.)	11.28	10.92	11.10	11.10
Compressive Strength (PSI)	2346	2270	2455	2357
Density (lbs/cu.ft.)	104.61	105.33	105.15	105.03
Linear Shrinkage (%)	0.034	0.031	0.042	0.036

Fire Resistance Rating (ACI 216.1) ----- 3 hours -----

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

Respectfully submitted,

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Mark R. Nelson, Principal