

NELSON TESTING LABORATORIES

Construction Materials

1210 REMINGTON ROAD
SCHAUMBURG, ILLINOIS 60173 USA
Phone (847) 882-1146 Fax (847) 882-1148

www.nelsontesting.com

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" Normal-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."

DATE OF TESTS: April 27, 2007

NTL PROJECT #: 1057-07 (a)

TEST DATA

Solids: 76.9%
Net Area: 43.40 sq.in.
Dimensions: Length (in.) 15.5625 Width (in.) 3.625 Height (in.) 7.625

TEST RESULTS

Physical Properties	<u>A</u>	<u>B</u>	<u>C</u>	<u>Average</u>
Weight Dry (lbs.)	25.00	24.55	24.85	24.80
Absorption (%)	7.00	7.13	6.84	6.99
Absorption (lbs/cu.ft.)	9.06	9.25	8.84	9.05
Compressive Strength (PSI)	3092	3046	3120	3086
Density (lbs/cu.ft.)	129.46	129.82	129.22	129.50

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

Respectfully submitted,

NELSON TESTING LABORATORIES



Robert L. Nelson
Principal

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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 4"x 8"x 16" Split-Faced 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: May 24, 2007

NTL PROJECT #: 1072-07 (d)

TEST DATA

Solids: 93.5%

Net Area: 54.80 sq.in.

Dimensions: Length (in.) 15.625 Width (in.) 3.75 Height (in.) 7.625

TEST RESULTS

Physical Properties	<u>A</u>	<u>B</u>	<u>C</u>	<u>Average</u>
Weight Dry (lbs.)	28.50	30.60	30.00	29.70
Absorption (%)	8.07	8.50	8.33	8.30
Absorption (lbs/cu.ft.)	10.11	10.67	10.40	10.39
Compressive Strength (PSI)	2843	2734	2783	2787
Density (lbs/cu.ft.)	125.24	125.62	124.80	125.22

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

Respectfully submitted,

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Robert L. Nelson
Principal

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Harvey Cement Products, Inc.
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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

Physical Properties	<u>A</u>	<u>B</u>	<u>C</u>	<u>Average</u>
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
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Harvey Cement Products, Inc.
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Harvey, Illinois 60426-5069

May 1, 2007

Attn: Mr. Skip Steck

REPORT OF TESTS

SUBJECT: Physical Analysis of 6"x 8"x 16" Medium-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."

DATE OF TESTS: April 27, 2007

NTL PROJECT #: 1057-07 (b)

TEST DATA

Solids: 60.2%

Net Area: 52.68 sq.in.

Dimensions: Length (in.) 15.5625 Width (in.) 5.625 Height (in.) 7.5

TEST RESULTS

Physical Properties	<u>A</u>	<u>B</u>	<u>C</u>	<u>Average</u>
Weight Dry (lbs.)	28.40	28.05	28.50	28.32
Absorption (%)	9.15	9.63	9.47	9.42
Absorption (lbs/cu.ft.)	11.35	11.91	11.74	11.66
Compressive Strength (PSI)	2728	2755	2718	2734
Density (lbs/cu.ft.)	123.93	123.70	123.93	123.85

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

Respectfully submitted,

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Robert L. Nelson
Principal

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Harvey Cement Products, Inc.
16030 Park Avenue
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May 25, 2007

Attn: Mr. Skip Steck

REPORT OF TESTS

SUBJECT: Physical Analysis of 6"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."

DATE OF TESTS: May 24, 2007

NTL PROJECT #: 1072-07 (a)

TEST DATA

Solids: 59.8%
Net Area: 52.54 sq.in.
Dimensions: Length (in.) 15.625 Width (in.) 5.625 Height (in.) 7.625

TEST RESULTS

Physical Properties	<u>A</u>	<u>B</u>	<u>C</u>	<u>Average</u>
Weight Dry (lbs.)	22.50	22.60	22.55	22.55
Absorption (%)	12.22	12.39	12.20	12.27
Absorption (lbs/cu.ft.)	11.88	12.05	11.88	11.93
Compressive Strength (PSI)	2703	2638	2667	2669
Density (lbs/cu.ft.)	97.16	97.26	97.38	97.27

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

Respectfully submitted,

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Robert L. Nelson
Principal

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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,

NELSON TESTING LABORATORIES



Mark R. Nelson, Principal

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 8"x 8"x 16" Normal-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."

DATE OF TESTS: April 27, 2007

NTL PROJECT #: 1057-07 (c)

TEST DATA

Solids: 53.1%
Net Area: 62.95 sq.in.
Dimensions: Length (in.) 15.5625 Width (in.) 7.625 Height (in.) 7.5

TEST RESULTS

Physical Properties	<u>A</u>	<u>B</u>	<u>C</u>	<u>Average</u>
Weight Dry (lbs.)	35.90	35.90	35.70	35.83
Absorption (%)	7.38	7.52	8.12	7.68
Absorption (lbs/cu.ft.)	9.70	9.85	10.64	10.07
Compressive Strength (PSI)	3150	3123	3167	3147
Density (lbs/cu.ft.)	131.39	131.00	131.04	131.14
Shrinkage (%)_	0.030	0.032	0.031	0.031

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

Respectfully submitted,

NELSON TESTING LABORATORIES



Robert L. Nelson
Principal

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16030 Park Avenue
Harvey, Illinois 60426-5069

May 1, 2007

Attn: Mr. Skip Steck

REPORT OF TESTS

SUBJECT: Physical Analysis of 8"x 8"x 16" 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 (f)

TEST DATA

Solids: 52.6%

Net Area: 62.47 sq.in.

Dimensions: Length (in.) 15.5625 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.)	27.75	28.10	27.65	27.83
Absorption (%)	11.35	10.85	11.21	11.14
Absorption (lbs/cu.ft.)	11.43	11.03	11.28	11.25
Compressive Strength (PSI)	3034	3083	3040	3052
Density (lbs/cu.ft.)	100.67	101.65	100.60	100.98
Shrinkage (%)	0.029	0.029	0.028	0.029

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

Respectfully submitted,

NELSON TESTING LABORATORIES



Robert L. Nelson
Principal

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May 1, 2007

Attn: Mr. Skip Steck

REPORT OF TESTS

SUBJECT: Physical Analysis of 8"x 8"x 16" 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."

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

DATE OF TESTS: April 27, 2007

NTL PROJECT #: 1057-07 (f)

TEST DATA

Solids: 52.6%
Net Area: 62.47 sq.in.
Dimensions: Length (in.) 15.5625 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.)	27.75	28.10	27.65	27.83
Absorption (%)	11.35	10.85	11.21	11.14
Absorption (lbs/cu.ft.)	11.43	11.03	11.28	11.25
Compressive Strength (PSI)	3034	3083	3040	3052
Density (lbs/cu.ft.)	100.67	101.65	100.60	100.98
Shrinkage (%)	0.029	0.029	0.028	0.029

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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Robert L. Nelson, Principal

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May 25, 2007

Attn: Mr. Skip Steck

REPORT OF TESTS

SUBJECT: Physical Analysis of 8"x 8"x 16" Split-Faced 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: May 24, 2007

NTL PROJECT #: 1072-07 (e)

TEST DATA

Solids: 55.1%
Net Area: 66.70 sq.in.
Dimensions: Length (in.) 15.625 Width (in.) 7.75 Height (in.) 7.625

TEST RESULTS

Physical Properties	<u>A</u>	<u>B</u>	<u>C</u>	<u>Average</u>
Weight Dry (lbs.)	37.95	37.60	37.40	37.65
Absorption (%)	7.91	7.58	7.62	7.70
Absorption (lbs/cu.ft.)	10.15	9.69	9.72	9.85
Compressive Strength (PSI)	3594	3820	3676	3696
Density (lbs/cu.ft.)	128.35	127.86	127.53	127.91

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

Respectfully submitted,

NELSON TESTING LABORATORIES



Robert L. Nelson
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May 1, 2007

Attn: Mr. Skip Steck

REPORT OF TESTS

SUBJECT: Physical Analysis of 8"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 (i)

TEST DATA

Solids: 56.6%
Net Area: 68.23 sq.in.
Dimensions: Length (in.) 15.5625 Width (in.) 7.75 Height (in.) 7.5625

TEST RESULTS

Physical Properties	<u>A</u>	<u>B</u>	<u>C</u>	<u>Average</u>
Weight Dry (lbs.)	31.25	31.05	30.85	31.05
Absorption (%)	10.08	10.47	10.53	10.36
Absorption (lbs/cu.ft.)	10.51	10.90	10.90	10.77
Compressive Strength (PSI)	2415	2474	2597	2495
Density (lbs/cu.ft.)	104.28	104.17	103.50	104.98
Shrinkage (%)	0.028	0.031	0.030	0.029

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

Respectfully submitted,

NELSON TESTING LABORATORIES



Robert L. Nelson
Principal

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May 1, 2007

Attn: Mr. Skip Steck

REPORT OF TESTS

SUBJECT: Physical Analysis of 8"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."
ACI 216.1, "Standard Method for Determining Fire Resistance of Concrete and Masonry Construction Assemblies."

DATE OF TESTS: April 27, 2007

TEST DATA

Solids: 56.6%
Net Area: 68.23 sq.in.
Dimensions: Length (in.) 15.5625 Width (in.) 7.75 Height (in.) 7.5625

TEST RESULTS

Physical Properties	<u>A</u>	<u>B</u>	<u>C</u>	<u>Average</u>
Weight Dry (lbs.)	31.25	31.05	30.85	31.05
Absorption (%)	10.08	10.47	10.53	10.36
Absorption (lbs/cu.ft.)	10.51	10.90	10.90	10.77
Compressive Strength (PSI)	2415	2474	2597	2495
Density (lbs/cu.ft.)	104.28	104.17	103.50	104.98
Shrinkage (%)	0.028	0.031	0.030	0.029

Fire Resistance Rating (ACI 216.1) ----- 2 1/2 hours -----

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

Respectfully submitted,

NELSON TESTING LABORATORIES



Robert L. Nelson, Principal

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May 1, 2007

Attn: Mr. Skip Steck

REPORT OF TESTS

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

DATE OF TESTS: April 27, 2007

NTL PROJECT #: 1057-07 (d)

TEST DATA

Solids: 49.8%
Net Area: 74.65 sq.in.
Dimensions: Length (in.) 15.5625 Width (in.) 9.625 Height (in.) 7.5

TEST RESULTS

Physical Properties	<u>A</u>	<u>B</u>	<u>C</u>	<u>Average</u>
Weight Dry (lbs.)	43.65	44.35	43.80	43.93
Absorption (%)	6.53	6.31	6.62	6.49
Absorption (lbs/cu.ft.)	8.83	8.59	8.98	8.80
Compressive Strength (PSI)	4299	4264	4363	4309
Density (lbs/cu.ft.)	135.17	135.99	135.64	135.60

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

Respectfully submitted,

NELSON TESTING LABORATORIES



Robert L. Nelson
Principal

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Harvey Cement Products, Inc.
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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,

NELSON TESTING LABORATORIES



Robert L. Nelson, Principal

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Harvey Cement Products, Inc.
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Harvey, Illinois 60426-5069

May 25, 2007

Attn: Mr. Skip Steck

REPORT OF TESTS

SUBJECT: Physical Analysis of 10"x 8"x 16" Split-Faced 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: May 24, 2007

NTL PROJECT #: 1072-07 (f)

TEST DATA

Solids: 50.2%
Net Area: 76.51 sq.in.
Dimensions: Length (in.) 15.625 Width (in.) 9.75 Height (in.) 7.625

TEST RESULTS

Physical Properties	<u>A</u>	<u>B</u>	<u>C</u>	<u>Average</u>
Weight Dry (lbs.)	43.35	43.60	44.00	43.98
Absorption (%)	7.61	7.84	7.55	7.67
Absorption (lbs/cu.ft.)	9.74	10.0	9.59	9.78
Compressive Strength (PSI)	3918	3994	4037	3983
Density (lbs/cu.ft.)	127.90	127.64	127.01	127.52

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

Respectfully submitted,

NELSON TESTING LABORATORIES



Robert L. Nelson
Principal

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 12"x 8"x 16" Normal-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."

DATE OF TESTS: April 27, 2007

NTL PROJECT #: 1057-07 (e)

TEST DATA

Solids: 49.1%
Net Area: 88.74 sq.in.
Dimensions: Length (in.) 15.5625 Width (in.) 11.625 Height (in.) 7.625

TEST RESULTS

Physical Properties	<u>A</u>	<u>B</u>	<u>C</u>	<u>Average</u>
Weight Dry (lbs.)	50.75	51.25	50.90	50.97
Absorption (%)	7.39	7.12	6.58	7.03
Absorption (lbs/cu.ft.)	9.59	9.30	8.57	9.15
Compressive Strength (PSI)	3648	3715	3668	3677
Density (lbs/cu.ft.)	129.79	130.53	130.17	130.16

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

Respectfully submitted,

NELSON TESTING LABORATORIES



Robert L. Nelson
Principal

NELSON TESTING LABORATORIES

Construction Materials

1210 REMINGTON ROAD
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Phone (847) 882-1146 Fax (847) 882-1148

www.nelsontesting.com

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 12"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."

DATE OF TESTS: May 24, 2007

NTL PROJECT #: 1072-07 (c)

TEST DATA

Solids: 48.8%
Net Area: 88.74 sq.in.
Dimensions: Length (in.) 15.625 Width (in.) 11.625 Height (in.) 7.625

TEST RESULTS

Physical Properties	<u>A</u>	<u>B</u>	<u>C</u>	<u>Average</u>
Weight Dry (lbs.)	33.70	33.75	33.95	33.80
Absorption (%)	14.84	14.81	14.58	14.74
Absorption (lbs/cu.ft.)	12.79	12.76	12.63	12.73
Compressive Strength (PSI)	2707	2628	2661	2665
Density (lbs/cu.ft.)	86.18	86.13	86.65	86.32

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

Respectfully submitted,

NELSON TESTING LABORATORIES



Robert L. Nelson
Principal

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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 12"x 8"x 16" Split-Faced 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: May 24, 2007

NTL PROJECT #: 1072-07 (g)

TEST DATA

Solids: 49.0%
Net Area: 90.01 sq.in.
Dimensions: Length (in.) 15.625 Width (in.) 11.75 Height (in.) 7.625

TEST RESULTS

Physical Properties	<u>A</u>	<u>B</u>	<u>C</u>	<u>Average</u>
Weight Dry (lbs.)	51.20	51.30	50.95	51.15
Absorption (%)	7.91	7.70	7.95	7.85
Absorption (lbs/cu.ft.)	10.21	9.92	10.21	10.11
Compressive Strength (PSI)	2603	2668	2693	2655
Density (lbs/cu.ft.)	129.09	128.82	128.46	128.79

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

Respectfully submitted,

NELSON TESTING LABORATORIES



Robert L. Nelson
Principal

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Construction Materials

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www.nelsontesting.com

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 12"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 (j)

TEST DATA

Solids: 47.3%
Net Area: 87.71 sq.in.
Dimensions: Length (in.) 15.625 Width (in.) 11.875 Height (in.) 7.625

TEST RESULTS

Physical Properties	<u>A</u>	<u>B</u>	<u>C</u>	<u>Average</u>
Weight Dry (lbs.)	35.05	35.45	35.00	35.17
Absorption (%)	12.84	12.83	12.57	12.75
Absorption (lbs/cu.ft.)	11.68	11.64	11.44	11.58
Compressive Strength (PSI)	2584	2727	2673	2661
Density (lbs/cu.ft.)	90.94	90.66	91.00	90.87

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

Respectfully submitted,

NELSON TESTING LABORATORIES



Robert L. Nelson
Principal