



**TEST REPORT**

100 Clemson Research Blvd.  
Anderson, SC 29625  
(864) 656-1094  
Fax: (864) 656-1095  
www.brickandtile.org

*Results of Tests on brick Conducted in accordance with ASTM C 67-18 Standard Test Methods for Sampling and*

*Testing Brick and Structural Clay Tile*

12/02/2019

Name:	Yankee Hill Brick 3705 South Coddington Avenue Lincoln , NE 68522	Plant:	Yankee Hill Brick	*Temperature: 60 - 90F
Phone:	402-770-7720	Report Number:	9232-22015	*Humidity: 30% - 70%
Fax:		Received Date:	11/12/2019	
		Sampled Date:	11/12/2019	
		Lot:		
		Product Code:		

Sample Description: **Medium Red**

						Average	Test Date
<b>Absorption</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>		
24 Hour Submersion in Cold Water (%)	5.03	4.97	4.62	5.34	4.66	4.93	11/14/2019
5 Hour Submersion in Boiling Water (%)	7.54	7.38	7.01	7.67	7.01	7.32	
Saturation Coefficient (Ratio of 24H to 5H)	0.67	0.67	0.66	0.70	0.66	0.67	
<b>Compressive Strength</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>Average</b>	
<i>psi</i>	16,455	8,430	14,089	14,928	9,011	12,582	11/14/2019
<i>MPa</i>	113.5	58.1	97.1	102.9	62.1	86.8	
<b>Efflorescence</b>	<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>		
	Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced		11/22/2019
<b>IRA (Oven Dried Method)</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>Average</b>	
<i>g/min/30 in.<sup>2</sup></i>	9.4	10.3	8.5	9.3	9.6	9.4	11/20/2019
<b>Average % Void</b>	20.8						11/20/2019

*The brick represented by the test results shown here comply with the physical property requirements of the standards listed below:*

ASTM C 216 - 17a Standard Specification for Facing Brick (Solid Masonry Units Made From Clay or Shale)

Grade: SW, MW

Michael Walker, Quality Manager

*\*The temperature and humidity of the Bishop Materials Laboratory is constantly kept between 60 -90F, and 30-70% RH*

*The results shown above apply only to the samples tested, which are provided by the customer.*

*This test report shall not be reproduced except in full, without written approval of the laboratory.*

**Results of Tests on brick Conducted in accordance with C67/C67M - 23 Standard Test Methods for Sampling and Testing Brick and Structural Clay Tile**

08/25/2023

Name:	Yankee Hill Brick 3705 South Coddington Avenue Lincoln, NE 68522	Plant:	Yankee Hill Brick
Phone:	402-770-7720	Sampled Date:	8/8/2023
Report Number:	11942-29731	Received Date:	8/8/2023
		Fired Date:	8/8/2023
		Product Code:	
		Lot Number:	
Description: <b>Dark Red / Maroon</b>			

Absorption	1	2	3	4	5	Average	Test Date
24 Hour Cold Water (%)	2.6	2.6	2.6	2.9	2.5	2.6	8/10/2023
5 Hour Boiling Water (%)	4.4	4.6	4.5	4.6	4.6	4.5	
Saturation Coefficient	0.60	0.56	0.58	0.63	0.56	0.59	

Compressive Strength	1	2	3	4	5	Average	Test Date
psi	15,440	18,050	14,890	14,510	15,670	15,710	8/10/2023

IRA (Oven Dried Method)	6	7	8	9	10	Average	Test Date
g/min/30 in. <sup>2</sup>	2.8	3.3	3.2	2.7	2.5	2.9	8/21/2023

Efflorescence	11	12	13	14	15	Test Date
Efflorescence Detection	Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced	8/21/2023

Void Area	1	2	3	4	5	Average	Test Date
Void Area (%)	21	21	21	21	21	21	8/18/2023

*The brick represented by the test results shown here comply with the physical property requirements of the standards listed below:*

ASTM C216 - 22 Standard Specification for Facing Brick (Solid Masonry Units Made From Clay or Shale)  
Grade: SW, MW

*Katherine Hill*  
Katherine Hill, Quality Manager

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**Results of Tests on brick Conducted in accordance with C67/C67M - 23 Standard Test Methods for Sampling and Testing Brick and Structural Clay Tile**

07/31/2023

Name:	Yankee Hill Brick 3705 South Coddington Avenue Lincoln, NE 68522	Plant:	Yankee Hill Brick
Phone:	402-770-7720	Sampled Date:	7/7/2023
Report Number:	11872-29547	Received Date:	7/7/2023
Description:	<b>Light Red</b>	Fired Date:	7/7/2023
		Product Code:	
		Lot Number:	BB158

Absorption	1	2	3	4	5	Average	Test Date
24 Hour Cold Water (%)	3.7	3.6	3.6	3.6	3.7	3.6	7/11/2023
5 Hour Boiling Water (%)	5.4	5.3	5.3	5.2	5.3	5.3	
Saturation Coefficient	0.68	0.69	0.69	0.69	0.69	0.69	

Compressive Strength	1	2	3	4	5	Average	Test Date
psi	16,020	12,700	15,490	14,350	13,680	14,450	7/17/2023

IRA (Oven Dried Method)	6	7	8	9	10	Average	Test Date
g/min/30 in. <sup>2</sup>	4.2	3.8	4.4	3.8	4.2	4.1	7/18/2023

Efflorescence	11	12	13	14	15	Test Date
Efflorescence Detection	Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced	7/27/2023

Void Area	1	2	3	4	5	6	7	8	9	10	Average	Test Date
Void Area (%)	19	19	19	19	19	19	19	19	19	19	19	7/17/2023

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Grade: SW, MW

*Katherine Hill*  
Katherine Hill, Quality Manager

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