



**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 67-16 Standard Test Methods for Sampling and*

*Testing Brick and Structural Clay Tile*

03/13/2018

Name:	Yankee Hill Brick 3705 South Coddington Avenue Lincoln , NE 68522	Plant:	Yankee Hill Brick	*Temperature: 60 - 90F
Phone:	402-770-7720	Report Number:	8061-18212	*Humidity: 30% - 70%
Fax:		Received Date:	02/26/2018	
		Sampled Date:	02/26/2018	
		Lot:		
		Product Code:		

Sample Description: **G-3**

							Test Date
<b>Absorption</b>		<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>Average</b>
24 Hour Submersion in Cold Water (%)		3.51	3.47	4.03	3.85	3.57	3.69 02/28/2018
5 Hour Submersion in Boiling Water (%)		6.50	6.54	7.04	6.71	6.78	6.71
Saturation Coefficient (Ratio of 24H to 5H)		0.54	0.53	0.57	0.57	0.53	0.55
<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>	16,566	15,344	16,334	15,479	14,545	15,654 02/28/2018
	<i>MPa</i>	114.2	105.8	112.6	106.7	100.3	107.9
<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	03/08/2018
<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>	3.8	6.3	7.0	5.9	6.9	6.0 03/02/2018
<b>Average % Void</b>		20.5					03/01/2018

*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.*