



**TEST REPORT**

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*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*

04/11/2018

Name:	Yankee Hill Brick 3705 South Coddington Avenue Lincoln , NE 68522	Plant:	Yankee Hill Brick	*Temperature: 60 - 90F
Phone:	402-770-7720	Report Number:	8107-18358	*Humidity: 30% - 70%
Fax:		Received Date:	03/16/2018	
		Sampled Date:	03/16/2018	
		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 (%)	3.10	3.89	4.12	3.71	3.30	3.62	03/26/2018
5 Hour Submersion in Boiling Water (%)	4.94	5.89	5.83	5.33	5.34	5.47	
Saturation Coefficient (Ratio of 24H to 5H)	0.63	0.66	0.71	0.70	0.62	0.66	
<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>	23,937	25,856	17,796	20,516	24,958	22,612	03/26/2018
<i>MPa</i>	165.0	178.3	122.7	141.4	172.1	155.9	
<b>Breaking Load</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>Average</b>	
<i>(lb/in.)</i>	883	849	954	892	1,023	920	04/03/2018
<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		04/03/2018
<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>	1.6	1.5	1.1	1.2	1.5	1.4	04/03/2018
<b>Abrasion Resistance</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>Average</b>	
	0.01	0.02	0.02	0.02	0.01	0.02	04/03/2018

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

ASTM C 1272 - 17 Standard Specification for Heavy Vehicular Paving Brick  
Type: R

ASTM C 902 - 15 Standard Specification for Pedestrian and Light Traffic Paving Brick  
Class: SX, MX, NX

Type: I, II, III

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.*