



**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*

10/18/2017

Name:	Kansas Brick & Tile 767 U.S. 281 Hoisington , KS 67544	Plant:	Kansas Brick & Tile	*Temperature: 60 - 90F
Phone:	620-653-2157	Report Number:	7830-17498	*Humidity: 30% - 70%
Fax:		Received Date:	09/26/2017	
		Sampled Date:	09/26/2017	
		Lot:		
		Product Code:		

Sample Description: **500 Harvard, 500 Manganese, Old Georgetown, 545 FF**

							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 (%)		3.80	3.40	3.89	3.84	3.65	3.71 10/03/2017
5 Hour Submersion in Boiling Water (%)		6.91	6.62	6.79	6.78	6.52	6.72
Saturation Coefficient (Ratio of 24H to 5H)		0.55	0.51	0.57	0.57	0.56	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>	12,752	16,133	14,700	15,502	10,548	13,927 09/29/2017
	<i>MPa</i>	87.9	111.2	101.4	106.9	72.7	96.0
<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	10/09/2017
<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>	1.7	2.3	2.7	1.9	1.9	2.1 09/29/2017
<b>Average % Void</b>		26.0					09/28/2017

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

ASTM C 216 - 17 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.*