



**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*

05/16/2018

Name:	Columbus Brick Company P. O. Box 9630 Columbus, MS 39705-9630	Plant:	Columbus Brick Company	*Temperature: 60 - 90F
Phone:	800-844-4931	Report Number:	8184-18637	*Humidity: 30% - 70%
Fax:		Received Date:	04/20/2018	
		Sampled Date:	04/20/2018	
		Lot:		
		Product Code:	Stonewall, Q	

Sample Description: **Brown Body, Flashed, Queen Size, Plant 1**

						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 (%)	5.59	5.49	5.17	5.55	5.11	5.38	05/01/2018
5 Hour Submersion in Boiling Water (%)	7.87	7.87	7.63	7.92	7.61	7.78	
Saturation Coefficient (Ratio of 24H to 5H)	0.71	0.70	0.68	0.70	0.67	0.69	
<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>	12,202	13,356	12,043	12,523	10,764	12,178	05/01/2018
<i>MPa</i>	84.1	92.1	83.0	86.3	74.2	84.0	
<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		05/07/2018
<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>	12.4	14.2	14.6	13.7	11.4	13.3	04/26/2018
<b>Average % Void</b>	21.3						04/26/2018

*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

Type: FBA

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.*