



**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:	8184-18636	*Humidity: 30% - 70%
Fax:		Received Date:	04/20/2018	
		Sampled Date:	04/20/2018	
		Lot:		
		Product Code:	Belle Grae, M	

Sample Description: **Brown Body, Clear Burn, Modular 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 (%)	5.81	5.91	5.59	5.62	5.73	5.73	05/01/2018
5 Hour Submersion in Boiling Water (%)	8.53	8.49	8.27	8.28	8.28	8.37	
Saturation Coefficient (Ratio of 24H to 5H)	0.68	0.70	0.68	0.68	0.69	0.68	
<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>	10,239	7,551	10,252	9,108	8,851	9,200	05/01/2018
<i>MPa</i>	70.6	52.1	70.7	62.8	61.0	63.4	
<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		05/04/2018
<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>	16.9	17.9	16.9	14.1	16.9	16.5	04/26/2018
<b>Average % Void</b>	22.4						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.*