



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:	8184-18643	*Humidity: 30% - 70%
Fax:		Received Date:	04/20/2018	
		Sampled Date:	04/20/2018	
		Lot:		
		Product Code:	St. Louis, Q	

Sample Description: **Red Body, Flashed, Queen Size, Plant 2**

							Test Date
Absorption		1	2	3	4	5	Average
24 Hour Submersion in Cold Water (%)		4.31	4.69	4.15	4.58	4.70	4.49 05/01/2018
5 Hour Submersion in Boiling Water (%)		6.04	6.77	6.52	7.06	6.82	6.64
Saturation Coefficient (Ratio of 24H to 5H)		0.71	0.69	0.64	0.65	0.69	0.68
Compressive Strength		1	2	3	4	5	Average
	<i>psi</i>	11,762	10,573	12,668	9,709	12,283	11,399 05/01/2018
	<i>MPa</i>	81.1	72.9	87.3	66.9	84.7	78.6
Efflorescence		11	12	13	14	15	
		Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced	05/07/2018
IRA (Oven Dried Method)		6	7	8	9	10	Average
	<i>g/min/30 in.²</i>	7.9	8.4	7.8	11.7	9.8	9.1 04/27/2018
Average % Void		21.9					04/27/2018

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.