

ENGINEERS LABORATORIES, INC.

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Materials & Soils Testing

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August 23, 2012

Job No. 96-012

Columbus Brick Co.
P.O. Box 9630
Columbus, MS 39705

Re: Plant 2
Red Body, Clear Burn
Queen Size

Gentlemen:

Tabulated below are results of laboratory tests performed at your request. These tests were performed in accordance with ASTM Designation: **C-67**

Uni No.	Dimensions		Compressive Strength Test			Initial Rate of Absorption (Suction in Grams per 1-Min.)			
	L	W	Total Load Lbs.	Gross Area Sq. Inches	PSI	Unit No.	Initial Rate of Absorption	% Void	
1	3.70	2.70	100,000	9.99	10,010	1	11.44	1)20.3	6)20.6
2	3.80	2.78	121,000	10.56	11,460	2	14.55	2)20.6	7)21.1
3	3.65	2.80	113,500	10.22	11,100	3	11.83	3)21.1	8)20.6
4	3.75	2.80	101,000	10.50	9,620	4	14.36	4)20.9	9)19.8
5	3.70	2.75	103,000	10.18	10,120	5	11.59	5)20.5	10)21.6
Average of 5 Units:					10,460		12.75	Average of 10 Units: 20.7	

Per Cent Water Absorption
24 Hour Submersion in Cold Water

Per Cent Absorption - 5 Hours
Boiling Method

Unit No.	Dry Weight Grams	Wet Weight Grams	% Absorption	Dry Weight Grams	Wet Weight Grams	% Absorption	Sat. Coeff.
1	790.0	829.1	5.0	790.0	837.1	7.5	.61
2	740.5	780.0	5.3	740.5	828.0	8.0	.61
3	777.8	815.3	4.8	777.8	819.8	7.7	.60
4	775.5	817.4	5.4	775.5	826.6	7.6	.63
5	796.3	833.8	4.7	796.3	811.5	8.1	.65
Average of 5 Units:			5.0			7.8	.62

These test results meet the requirements of ASTM Designation: **C-216, Grade SW, Type FBA**

These brick are rated "Not Effloresced".

We trust that this is the information required at this time.

Yours very truly,

ENGINEERS LABORATORIES, INC.

R. Bruce Shofner
R. Bruce Shofner

RBS/cc