

ENGINEERS LABORATORIES, INC.

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Materials & Soils Testing

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October 5, 2010

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**

Unit 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	3.78	2.75	123,000	10.40	11,830	1	6.60	20.20
2	3.81	2.70	114,000	10.29	11,080	2	8.70	20.00
3	3.81	2.65	125,000	10.10	12,380	3	12.30	20.40
4	3.75	2.70	121,000	10.12	11,960	4	10.10	19.70
5	3.75	2.73	110,000	10.24	10,740	5	5.20	20.40
Average of 5 Units:					11,600		8.60	20.10

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	754.4	795.7	5.47	754.4	813.4	7.82	.70
2	769.4	808.5	5.08	769.4	828.0	7.61	.67
3	756.5	797.0	5.35	756.5	816.3	7.90	.68
4	752.4	792.5	5.32	752.4	812.1	7.93	.67
5	753.1	792.5	5.23	753.1	811.5	7.75	.67
Average of 5 Units:			5.29			7.80	.67

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