

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
Brown 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 Inches		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	3.61	2.65	127,000	9.57	13,270	1	9.90	20.70
2	3.60	2.63	116,000	9.47	12,250	2	7.20	20.80
3	3.60	2.66	124,000	9.57	12,960	3	10.30	20.20
4	3.67	2.69	123,000	9.87	12,460	4	8.70	20.50
5	3.75	2.68	124,500	10.00	12,450	5	5.50	20.40
Average of 5 Units:					12,680		8.30	20.50

**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	746.3	785.4	5.23	746.3	801.1	7.34	.71
2	765.0	804.4	5.15	765.0	819.7	7.15	.72
3	752.9	793.5	5.39	752.9	810.3	7.62	.71
4	752.5	792.6	5.32	752.5	807.7	7.33	.72
5	723.2	759.9	5.07	723.2	772.3	6.78	.74
Average of 5 Units:			5.23			7.24	.72

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

RBS/cc