



TEST REPORT

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Results of Tests on brick Conducted in accordance with ASTM C 67-18 Standard Test Methods for Sampling and

Testing Brick and Structural Clay Tile

07/28/2019

Name:	Yankee Hill Brick 3705 South Coddington Avenue Lincoln , NE 68522	Plant:	Yankee Hill Brick	*Temperature: 60 - 90F
Phone:	402-770-7720	Report Number:	8963-21114	*Humidity: 30% - 70%
Fax:		Received Date:	07/16/2019	
		Sampled Date:	07/16/2019	
		Lot:		
		Product Code:		

Sample Description: **Maroon**

						Average	Test Date
Absorption	1	2	3	4	5		
24 Hour Submersion in Cold Water (%)	2.67	3.32	3.06	3.10	3.25	3.08	07/19/2019
5 Hour Submersion in Boiling Water (%)	3.71	4.00	4.07	3.74	4.41	3.98	
Saturation Coefficient (Ratio of 24H to 5H)	0.72	0.83	0.75	0.83	0.74	0.77	
Compressive Strength	1	2	3	4	5	Average	
<i>psi</i>	28,285	25,163	24,709	26,880	30,138	27,035	07/19/2019
<i>MPa</i>	195.0	173.5	170.4	185.3	207.8	186.4	
Breaking Load	6	7	8	9	10	Average	
<i>(lb/in.)</i>	1,006	887	916	840	1,044	939	07/18/2019
Efflorescence	11	12	13	14	15		
	Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced		07/26/2019
IRA (Oven Dried Method)	6	7	8	9	10	Average	
<i>g/min/30 in.²</i>	1.1	1.0	1.4	1.4	1.3	1.2	07/18/2019
Abrasion Resistance	1	2	3	4	5	Average	
	0.01	0.01	0.01	0.01	0.01	0.01	07/18/2019

The brick represented by the test results shown here comply with the physical property requirements of the standards listed below:

ASTM C 1272 - 17 Standard Specification for Heavy Vehicular Paving Brick
Type: R

ASTM C 902 - 15 Standard Specification for Pedestrian and Light Traffic Paving Brick
Class: SX, MX, NX, with absorption alternate in section 5.1.1.1

Type: I, II, III

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.
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