CLEMSON UNIVERSITY
THE BISHOP MATERIALS LABORATORY

TEST REPORT

100 Clemson Research Blvd.
Anderson, SC 29625
(864) 656-1094
Fax: (864) 656-1095
www.brickandtile.org

IAS ACCREDITED Testing Laboratory

Results of Tests on brick Conducted in accordance with C67/C67M - 23 Standard Test Methods for Sampling and Testing Brick and Structural Clay Tile

12/21/2023

Name:	Industrias Novaceramic SA de CV Calle Emilio Sanchez Piedras 1000, CIX I Tetla de la Solidaridad, 90434 MX	Plant:	Industrias Novaceramic SA de CV
		Sampled Date:	11/29/2023
		Received Date:	11/29/2023
Phone:	52 241 420 4883	Fired Date:	11/29/2023
		Product Code:	
Report Number:	12285-30509	Lot Number:	

Description: **Sand Mass/Body for Standard and Rocky Color Groups: Ashwood, Autumn, Boreal California, Cappuccino, Cartago, Donosti, Glacier, Ivory, Kansas, Latte, Marrakech, McAllen, Mocha, Nevada, Oaxaca, Praga, San Diego, Sand, Sonora, Trail, Tunez**

Absorption	**1**	**2**	**3**	**4**	**5**	**Average**	**Test Date**
24 Hour Cold Water (%)	4.4	5.8	6.1	7.4	6.3	6.0	12/4/2023
5 Hour Boiling Water (%)	6.0	8.2	8.0	9.8	8.3	8.1	
Saturation Coefficient	0.73	0.70	0.76	0.76	0.76	0.74	

Compressive Strength		**1**	**2**	**3**	**4**	**5**	**Average**	**Test Date**
	psi	17,710	23,330	18,250	18,530	12,770	18,120	12/4/2023

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

ASTM C216 - 22 Standard Specification for Facing Brick (Solid Masonry Units Made From Clay or Shale)
Grade: SW, MW

Katherine Hill, Quality Manager

**The temperature and humidity of the Bishop Materials Laboratory is constantly kept between 60 -90F, and 30-70% RH*
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Phone:	52 241 420 4883	Fired Date:	11/29/2023
		Product Code:	
Report Number:	12285-30508	Lot Number:	

Description: **Dark Brown Mass/Body for Standard and Rocky Color Groups: 5th Ave, Atlanta, Blueberry, Cies, Dark Brown, Detroit, Grape, Gros, Leon, Midnight, Nashville, Olive, Rodeo Dr, Seattle, Volcano, Willow**

Absorption	1	2	3	4	5	Average	Test Date
24 Hour Cold Water (%)	3.5	3.3	3.5	3.2	3.4	3.4	12/4/2023
5 Hour Boiling Water (%)	6.0	5.6	5.9	5.5	5.8	5.8	
Saturation Coefficient	0.58	0.59	0.59	0.58	0.59	0.59	

Compressive Strength		1	2	3	4	5	Average	Test Date
	psi	15,940	16,500	15,610	15,670	16,010	15,950	12/4/2023

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Grade: SW, MW

Katherine Hill, Quality Manager

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Phone:	52 241 420 4883	Fired Date:	11/29/2023
		Product Code:	
Report Number:	12285-30507	Lot Number:	

Description: **Cigar Mass/Body for Standard and Rocky Color Groups: Apricot, Athens, Brooklin, Cabernet, Champagne, Charlotte, Cigar, Downtown, Forrest, Illinois, Indian, Memphis, New Orleans, Oak, Peat, Roma, Sevilla, Shadow, Smoked, Toral, Toulouse, Woodlands**

Absorption	**1**	**2**	**3**	**4**	**5**	**Average**	**Test Date**
24 Hour Cold Water (%)	4.0	4.3	5.5	5.9	5.0	4.9	12/4/2023
5 Hour Boiling Water (%)	7.0	7.2	8.7	9.1	8.2	8.0	
Saturation Coefficient	0.58	0.60	0.63	0.65	0.61	0.61	

Compressive Strength		**1**	**2**	**3**	**4**	**5**	**Average**	**Test Date**
	psi	13,540	12,860	13,150	12,190	12,550	12,860	12/4/2023

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Grade: SW, MW

Katherine Hill, Quality Manager

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Phone:	52 241 420 4883	Fired Date:	11/29/2023
		Product Code:	
Report Number:	12285-30506	Lot Number:	

Description: **Red Mass/Body for Standard and Rocky Color Groups: Albany, Charcoal Red, Chicago, Cognac Colony, Dallas, Desert, Earthy Red, Mezcal, New York, Oxford, Red, Sonata, Texas,Tijuana, Tokio, Wine**

Absorption	**1**	**2**	**3**	**4**	**5**	**Average**	**Test Date**
24 Hour Cold Water (%)	6.6	7.8	7.4	6.6	7.9	7.3	12/4/2023
5 Hour Boiling Water (%)	9.7	10.7	10.3	9.6	10.8	10.2	
Saturation Coefficient	0.68	0.73	0.72	0.69	0.73	0.71	

Compressive Strength	**1**	**2**	**3**	**4**	**5**	**Average**	**Test Date**
psi	12,640	10,510	10,560	12,340	11,080	11,430	12/4/2023

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