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QUALITY STONE QUARRIES LLC  
792 EAST MAIN STREET  
LEWISVILLE TX 75033-3356  
USA

Analysis No. TS-S&T1901751  
Report Date 28 January 2019  
Quarry/Fabricator Same  
Date Sampled 08 January 2019  
Where Sampled Lewisville, TX USA  
Sample Received 14 January 2019  
Sampled By Client

This is to attest that we have examined Natural Stone identified: Hazelnut Brown Sandstone

When examined to the applicable requirements of:

- ASTM C 97-15 "Standard Test Method for Absorption and Bulk Specific Gravity of Dimensional Stone"
- ASTM C 99-15 "Standard Test Method for Modulus of Rupture of Dimensional Stone"
- ASTM C 170-15 "Standard Test Method for Compressive Strength of Dimensional Stone"
- ASTM C1353-15<sup>1</sup> "Standard Test Method for Abrasion Resistance of Dimension Stone Subjected to Foot Traffic Using a Rotary Platform Abraser"
- ASTM C 880-15 "Standard Test Method for Flexural Strength of Dimension Stone"

The material has the following average properties:

Average % Absorption		2.30
Average Bulk Specific Gravity		148.1 lbs/ft <sup>3</sup> 2 373 kg/m <sup>3</sup>
Modulus of Rupture Perpendicular	Dry	1 500 psi
Compressive Strength Perpendicular	Dry	18 300 psi
Abrasion Resistance		9.8 lw
Flexural Strength Perpendicular	Dry	1 400 psi

<sup>1</sup>NOTE: For Igneous Samples we run ASTM C 241 for Sedimentary and Metamorphic Samples we run ASTM C 1353

END OF ANALYSIS

The attached Report of Test is an integral portion of this Summation Certificate.

Merrill Gee P.E. – Engineer in Charge



Sample as Received and Tested