



# PRODUCT TESTING SERVICE

100 Clemson Research Blvd. Anderson, SC 29625 Tel (864) 646-TILE Fax (864) 646-2821

TCNA TEST REPORT NUMBER: TCNA-708-15 PAGE: 1

TEST REQUESTED BY: Cepac Tile

TEST METHOD: Mohs' Scratch Hardness

This test method is used to determine the scratch hardness of a tile surface using the Mohs' hardness scale. A scratch test is performed at each level of hardness to determine the hardness of the surface relative to the Mohs' scale.

TEST SUBJECT MATERIAL: Identified by client as: "Liberty 9/16"x1-3/8" LB1-SJ"  
Approximate Size as Received: 9/16"x1-3/8"

TEST DATE: 10/27/2015

## TEST PROCEDURE NOTES:

- Sample prep: None
- Three whole tiles were tested.
- The tiles were tested using a Deluxe Hardness Pick Set from Mineralab, LLC. The following minerals are used as standard:
  - 1 – Talc
  - 2 – Gypsum
  - 3 – Calcite
  - 4 – Fluorite
  - 5 – Apatite
  - 6 – Feldspar
  - 7 – Quartz
  - 8 – Topaz
  - 9 – Corundum
  - 10 – Diamond

## TEST RESULTS:

The Mohs Scratch Hardness was determined to be as follows:

Tile Sample #	Mohs Scratch Hardness
1	7
2	7
3	7

COMMENTS: None

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