

UNCONFINED COMPRESSIVE STRENGTH of INTACT NUT SHELL SPECIMENS

ASTM D 7012-07 Method C (Modified) SOP S-45

CLIENT: GEOTECHNICS
 CLIENT PROJ: SHELL STRENGTH
 PROJECT NO.: 2010-001-01
 LAB ID NO.: 2010-001-01-02

SAMPLE ID: ALMOND
 AKA: ALMANDE
 GENUS: *Prunus dulcis*

<p><u>SPECIMEN LENGTH (in.)</u> BEFORE CAPPING</p> <p>READING 1: 1.37 READING 2: 1.37 READING 3: 1.37 AVERAGE: 1.37</p>	<p><u>SPECIMEN DIAMETER(in.):</u></p> <p>READING 1: 0.68 READING 2: 0.68 AVERAGE: 0.68 AREA(in²): 0.37 L/D: 2.00</p>
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TOTAL LOAD(lbs) 222
COMPRESSIVE STRENGTH (PSI): 600

<p><u>SPECIMEN LENGTH (in.)</u> AFTER CAPPING</p> <p>READING 1: 1.37 READING 2: 1.37 READING 3: 1.37 AVERAGE: 1.37</p>	<p>FRACTURE TYPE: SPLIT</p> <p>RATE OF LOADING(lbs/sec): 2 TIME TO BREAK(min:sec.): 1:43.22 DEVIATION FROM STRAIGHTNESS⁴:</p>
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AXIAL: *Pass* TOP: *Pass* BOTTOM: *Pass*

- NOTES: 1) No correction to compressive strength is necessary
 2) Moisture conditions at time of test are as received.
 3) Specimens capped with cement/plaster paste.
 4) Deviation from straightness, Procedure A of ASTM D 4543.
 5) Temperature is laboratory room temperature.
 Pass/Fail criteria: gap < 0.02 = Pass, gap > 0.02 = Fail



PHYSICAL DESCRIPTION: ALMOND

Notes:

Tested By: JAC Date: 02/26/10

Checked By: *HP* Date: 4-7-10