

**UNCONFINED COMPRESSIVE STRENGTH of INTACT HARD CANDY SPECIMENS**

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

CLIENT: GEOTECHNICS, INC.  
 CLIENT PROJ: BULK HARD CANDY  
 PROJECT NO.: 2010-000-01  
 LAB ID NO.: 2010-000-01-04

BORING I.D.: PUB-1  
 DEPTH(ft): BOTTOM of BARREL  
 SAMPLE ID: FROSTY MUG

<u>SPECIMEN LENGTH (in.)</u>		<u>SPECIMEN DIAMETER(in.):</u>	
BEFORE CAPPING		READING 1:	0.78
READING 1:	1.14	READING 2:	0.78
READING 2:	1.14	AVERAGE:	<b>0.78</b>
READING 3:	1.14	AREA(in <sup>2</sup> ):	0.48
<b>AVERAGE:</b>	<b>1.14</b>	L/D:	1.47
 <u>SPECIMEN LENGTH (in.)</u>		TOTAL LOAD(lbs)	350
AFTER CAPPING		<b>COMPRESSIVE STRENGTH (PSI):</b>	<b>740</b>
READING 1:	1.14	<b>(1) CORRECTION (PSI):</b>	<b>710</b>
READING 2:	1.14	FRACTURE TYPE:	<b>SHEAR</b>
READING 3:	1.14	RATE OF LOADING(lbs/sec):	3
<b>AVERAGE:</b>	<b>1.14</b>	TIME TO BREAK(min:sec.):	1:45.22
		DEVIATION FROM STRAIGHTNESS <sup>4</sup> :	
		AXIAL: <i>Pass</i>	TOP: <i>Pass</i> BOTTOM: <i>Pass</i>

- NOTES: 1) Corrected PSI value for L/D <2.00, as per client's instructions. [ failure stress/( 0.88 + 0.24 \* (d/l) ]  
 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: ROOT BEER BARREL

Notes:

Tested By: JAC      Date: 01/21/10      Checked By: *KB*      Date: *1-21-10*