



## TEST REPORT

**CLIENT:**

Company:	Beach Bum Turf Company	Report Number:	70743
Address:	503 E Jackson St. # 159	Lab Test Number:	2913-2377
	Tampa, FL 33602	Test Completion Date:	5/12/2017
		Report Date:	5/15/2017
Requested By:	Nick Ogilvie	Page:	1 of 1

**TEST MATERIAL:**

Material Type:	Synthetic Turf with Infill System			Date Received:	5/5/2017
Material Condition:	EXCELLENT:	XXX	GOOD:	POOR:	REJECTED:
Turf Identification:	Playsafe 50				
Infill System (Bottom Layer)	2.0 lbs/ft <sup>2</sup> Hydrochill				
Infill System (Top Layer)	1.0 lbs/ft <sup>2</sup> 20/40 Silica Sand				
Underlayment:	Airfield				
Base:	Concrete				

**TESTING METHODS REQUESTED:**

<i>Testing Services Inc. was instructed by the client to test for the following...</i>			
Standard:	ASTM F355a-16e1	Test Method:	Standard Test Method for Impact Attenuation of Playing Surface Systems and Materials

**SAMPLING PLAN:**

Sampling Date:	5/10/2017
<ul style="list-style-type: none"> <li>Specimen sampling is performed in the sampling department at TSI.</li> <li>The sampling size of specimens is determined by the test method requirements.</li> <li>In the event a specific sampling size is not called for, a determination will be made based on previous testing experience, and approved for use by an authorized manager.</li> <li>All samples are subjected to the outside environmental conditions of temperature and relative humidity.</li> <li>Sample requiring pre-determined exposure to specified environmental conditions based on a specific test method, take place in the departments in which they are tested</li> </ul>	

**DEVIATION FROM TEST METHOD:**

State reason for any Deviation from, Additions to, or Exclusions From Test Method.
None

**TEST SCOPE:**

This test method determines cushioning properties of the playing surface system and materials under specific conditions. The playing surface tested is impacted at a specified velocity with a missile of given mass and geometry to determine the maximum value of g's encountered during impact. The missile, 9.1 kg (20 lbs), was released as to impact the center of the test assembly at a velocity of 3.43 meters/second at a drop height of 24". Three missile releases were made, with the first drop for assembly conditioning and the second and third drop used for averaging.

**TEST DATA:**

Test Conditions	75°F 50% RH
Test Date/Time	5/12/2017 @ 11:41 AM
Missile Weight	9.1 kg (20 lbs)
Drop Height	24"
Missile Velocity	3.4 meters/second
Test Equipment	Clearview Bumper II
Calibration Certificate	1003: 5/11/2016

GMAX	Drop #1	Drop #2	Drop #3	Average
	76	92	106	99

**Uncertainty:**  
 We undertake all assignments for our clients on a best effort basis. Our findings and judgments are based on the information to us using the latest test methods available. TSI can only ensure the test results for the specific items tested.  
 Unless otherwise noted in the deviations sections of this report, all tests performed are in compliance with stated test method.



Test Report Approval: Erle Miles, III, Lab Director  
 Testing Services Inc

Form:	Rev:	Revision Date:	Page 1 of 1
Release Date:	Control Type: Electronic – Expires 24 hours after this date: May. 15, 17 Printed copies are uncontrolled		

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