

# **TEST REPORT**

#### CLIENT: 79419 Company: Turf and Ivy Solutions **Report Number:** Address: Lab Test Number: 3169-2418 5 Centerpointe Dr, Ste 400 Lake Oswego, Oregon 97035 **Test Completion Date:** 1/21/2020 1/21/2020 Report Date: Requested by: Patricia Ochoa Page: 1 of 1

TEST	MAT	ERI/	۹L:

Material Type:	Synthetic Turf			Date Rec	eived:	1/13/2020		
Material Condition:	EXCELLENT:	XXX	GOOD:		POOR:	REJECTED:		
Product ID:	Vitality							

## **TESTING METHODS REQUESTED:**

Testing Services Inc. was instructed by the client to test for the following							
Standard:	Standard: ASTM D1335 Test Method: Standard Test Method for Tuft Bind Strength of Pile Yarn Floorcoverings						
SAMPLING PLAN: Sampling Date:	1/13/2020						
<ul> <li>Specime</li> </ul>	en sampling is performed	in the sampling department at TSI.					
<ul> <li>The same</li> </ul>	pling size of specimens	is determined by the test method requ	uirements.				

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.

• All samples are subjected to the outside environmental conditions of temperature and relative humidly.

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

#### **DEVIATION FROM TEST METHOD:**

### State reason for any Deviation from, Additions to, or Exclusions From Test Method.

# None

TEST SUMMARY
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TEST METHOD	TEST DESCRIPTION	TEST RESULT
ASTM D1335-17e1	Average Tuft Bind Strength	9.9 lbs/force

> Each individual pull was made from a combination of monofilament and textured fibers, same needle site

Pull #1	8.671 lbs/force	Pull #2	9.154 lbs/force	Pull #3	9.825 lbs/force	Pull #4	7.356 lbs/force	Pull #5	9.691 lbs/force
Pull #6	11.60 lbs/force	Pull #7	8.000 lbs/force	Pull #8	9.154 lbs/force	Pull #9	10.98 lbs/force	Pull #10	9.584 lbs/force
Pull #11	10.42 lbs/force	Pull #12	12.30 lbs/force	Pull #13	9.020 lbs/force	Pull #14	10.93 lbs/force	Pull #15	11.54 lbs/force

#### 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 are performed in compliance with stated test method.

Test Report Approval:

Erle Miles, III, Lab Director Testing Services (TSI) LLC

TSi Accreditation:

Our laboratory is accredited by the US Dept. of Commerce, National Institute of Standards and Technology: ISO/IEC 17025:2005. Our code # is: NVLAP 100108-0 TSi is a certified independent testing laboratory by the Synthetic Turf Council



817 Showalter Ave Dalton, GA 30722 (706) 226-1400 tsioffice@optilink.us