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TEST REPORT

CLIENT:	Blue Sky Turf International	REPORT NUMBER:	47183B
	534 Brighton Way	LAB TEST NUMBER:	2126-1460
	Valley Forge, PA 19460	DATE:	February 25, 2010

TEST MATERIAL:

Turf ID
UltraFiber G4 M

SUBJECT: A sample of turf was submitted for testing to determine the force required to pull a tuft completely from the backing.

TEST METHOD: ASTM D1335: *Standard Test Method for Tuft Bind of Pile Yarn Floor Coverings*

TEST PROCEDURE: 5 specimens, 4" X 6" were die cut from the sample lot for testing. Each specimen was mounted on the sample holder of an Instron Tensile Tester Machine and placed in the stationary clamp jaws with the rows of tufts at right angles to the long axis of the holder in such a position that the tuft to be tested was approximately centered over the cut away portion of the holder. Using a tuft clamp and a pair of hemostats, a tuft is located, and was securely gripped. The Instron was activated and the maximum force necessary to pull the tuft from the primary and secondary backing was recorded. An additional two pulls were made on the same specimen at least 1" apart from the previous pull. This procedure was conducted on all five specimens to achieve a total of fifteen pulls. The results were averaged and are reported below.

TEST PARAMETERS:

Instron Head Speed:	12"/minute
Instron Chart Speed:	5"/ minute
Instron Load Cell:	100 lbs
Test Environment:	70°F 65% RH

TEST RESULTS:

Average Tuft Bind Strength
7.79 lbs/force

Approved By:

Digitally signed by Erle Miles, Jr.
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Date: 2010.03.10 11:10:32 -05'00'

Erle Miles, Jr. VP
Testing Services Inc.

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