



CLIENT:

Company:	Irrigation Express
Address:	13650 Vaughn St San Fernando, CA 91340

TEST MATERIAL:

Date Material Received:	December 28, 2023
Date Material Tested:	January 3, 2024
Material Type:	Synthetic Turf
Material Condition:	Excellent, New
Turf Identification:	Pet Turf 85

TESTING METHODS REQUESTED:

Testing Services Inc. was instructed by the client to test for the following...			
Standard:	ASTM F1551	Test Method:	Standard Test Methods for Comprehensive Characterization of Synthetic Turf Playing Surfaces and Materials: Suffix-DIN 18-035, Part 6: Water Permeability of Synthetic Turf Systems and Permeable Bases

SAMPLING PLAN:

Sampling Date:	12/28/23
<ul style="list-style-type: none"> Specimen sampling is performed in the sampling department at TSI. The sampling size of specimens is determined by the test method requirements. 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 humidity. 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 SCOPE:

This test method determines the rainfall drainage capacity (permeability) of the playing surface. Test data values represent drainage rates vertically thru the turf with infill listed above, and do not take into account the percolation properties of a pad and/or an underlying sub-base. One specimen, 11.5" diameter, was cut from the sample lot and infilled with the above infill type and amount. The turf specimen was securely fastened to the permeability tube using mechanical flanges, ensuring vertical water flow thru the product. Water was pumped into the tube faster than could exit, until the water level reached 6". The water source was shut off, allowing the accumulated 6" water level to recede. The recede was timed via stopwatch until the water level exited the turf. The flow time was recorded in seconds. This procedure was repeated a total of 4 times where, the first pass was for conditioning, with passes 2,3,4 used for averaging.

TEST DATA:

Specimen #	Drainage (Seconds) 1 st Attempt	Drainage (Seconds) 2 nd Attempt	Drainage (Seconds) 3 rd Attempt	Total Average Drainage (Seconds)	Average Gal/Min/yd ²	Rainfall Capacity Inches/hour
Left	36.80	38.70	39.70	38.4	52.6	161.4
Center	52.70	52.30	53.70	52.9	38.2	117.2
Right	51.30	55.00	55.20	53.8	37.5	115.1
Average						128.1

Notes:

We undertake all assignments for our clients on a best effort basis. Our findings and judgments are based on the information given 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 deviation sections of this report, all tests are performed in compliance with the stated test method.

Test Report Approval:

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

TSI Accreditation:

Our Laboratory is accredited by NVLAP (Lab Code 100108-0), which is part of NIST and the US Dept of Commerce. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, and any agency of the U.S. Government. The above testing is under the scope of our NVLAP accreditation.



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