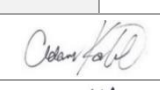
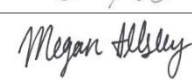


Project Information

Project Name	2" Dual Fiber_TTII NATURE'S INFILL/TTII SILICA SAND_TTII PRO-TURF PAD		
Client Information	Target Technologies International Inc 8535 Eastlake Drive Burnaby BC V5A4T7	Test Date	3/27/2024
Report Date	4/2/2024	Sample Received Date	3/25/2024
Report Status	Final	Job No.	99195/9378
Prepared by	Adam Kalil Laboratory Manager		
Checked by	Megan Illsley Laboratory Director		

Notes:

1. This report has been prepared by Firefly Sports Testing with all reasonable skill, care and diligence within the terms of the contract with the Client and within the limitations of the resources devoted to it. Complete drop data and individual test results are available upon request.
2. This report is confidential to the Client and Firefly Sports Testing accepts no responsibility whatsoever to third parties to whom this report, or any part thereof, is made known. Any such party relies upon the report at their own risk.
3. This report shall not be used for engineering or contractual purposes unless signed by the Author and the Checker and unless the report status is "Final."

Summary

Firefly Sports Testing was commissioned to perform laboratory testing for the following characteristics listed below.

Test Type	Test Method	Test Description
Critical Fall Height	ASTM F3146-18	Standard Test Method for Impact Attenuation of Turf Playing Systems Designed for Rugby
AAA	ASTM F3189-20	Standard Test Method for Measuring Force Reduction, Vertical Deformation, and Energy Restitution of Synthetic Turf Systems Using the Advanced Artificial Athlete
g-max	ASTM F355A-16	Standard Test Method for Impact Attenuation of Playing Surface Systems, and Materials Used for Athletics, Recreation and Play
Rotational Resistance	EN 15301-1:2007	Surfaces for Sports Areas – Determination of Rotational Resistance

General Information

System Name	2" DF_NATURE'S INFILL/SILICA SAND_TTII PRO-TURF PAD	Performance Infill	1.5 lb/sf TTII NATURE'S INFILL
Synthetic Turf Product	2" Dual Fiber	Stabilizing Infill	5 lb/sf TTII SILICA SAND
Air Temperature (°F)	72	Shock Pad	TTII PRO-TURF PAD
Humidity (%)	45	Sub-Base	Concrete

Results

Force Reduction (%)	Vertical Deformation (mm)	Energy Restitution (%)	g-max (g's)	Critical Fall Height (m)	Rotational Resistance (Nm)
61	7.9	36	105	1.34	37

End of Report

