LABOSPORT

TEST REPORT

Laboratory tests on an infill material for artificial turf system

Tests performed according to the standards listed in the quote Q23414CAN

Report Number	**R23414CAN-A1-Roller Infill testing***
Product	**TTII NATURE'S INFILL 10-20** Target Technologies International Inc.
Client	**John B. Giraud,** Target Technologies International Inc. 8535 Eastlake Drive, Burnaby BC V5A 4T7
Date	**June 21, 2023**

**Testing sub-contracted to one of Labosport's subsidiary*

INFORMATION

Product description	**Performance infill for synthetic turf system**			
Product name	**TTII NATURE'S INFILL 10-20**			
Product type	**Vegetal / plant based infill**			
Sample Number	**CAN004850**			
Bulk density	**0.57 g/cm³** *(35.57 lb/ft³)*		**Shape**	**B2 – Sub round to Rounded**
Date of reception	**May 2023**			
Date of tests	**May 2023**			
Temperature	**MIN**	**22°C**	**MAX**	**24°C**
Humidity	**MIN**	**49 %**	**MAX**	**51 %**

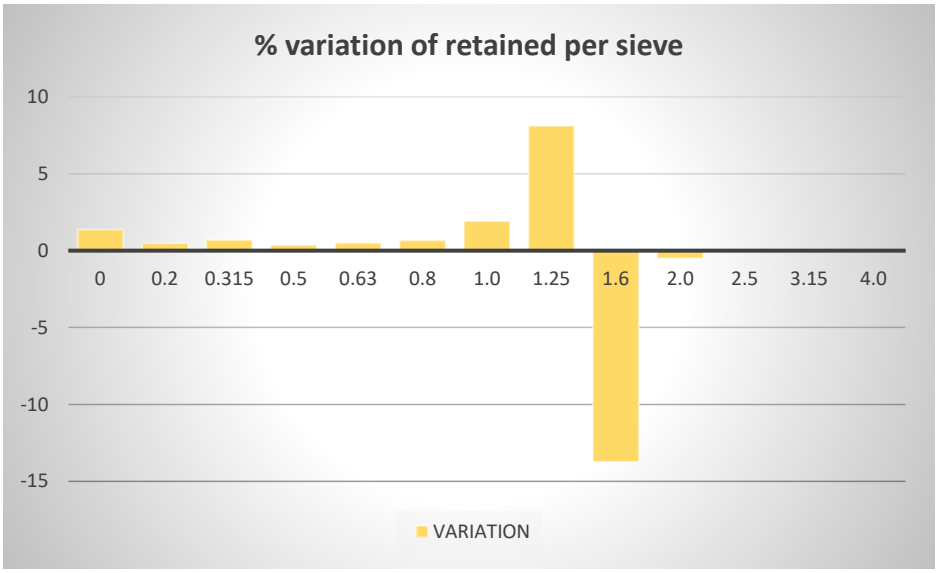
TTII NATURES IINFILL- ***CAN004850 –Overview (top) and close-up (bottom)***

RESULTS - FRIABILITY – ROLLER INFILL

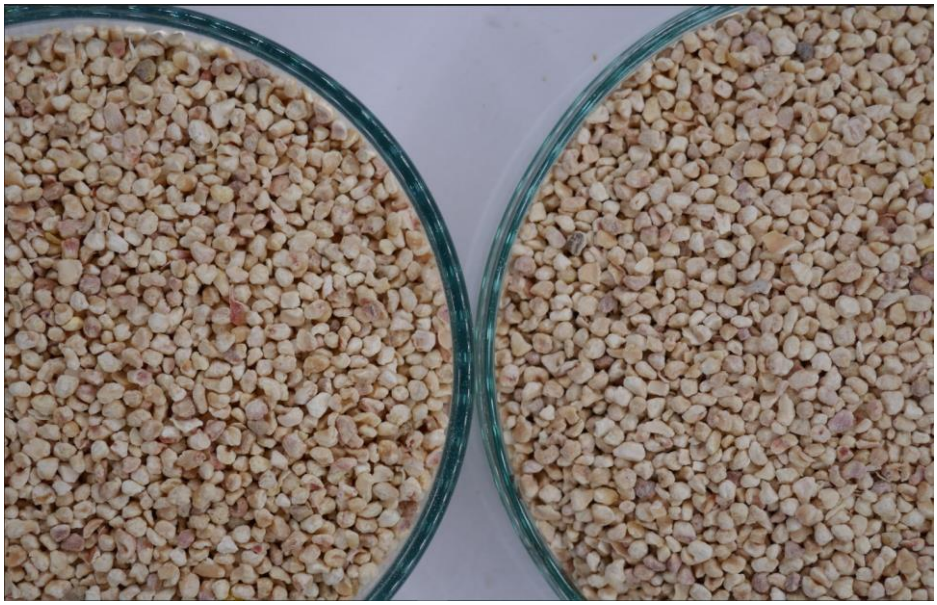
Test protocol: Friability of an infill measure its resistance to mechanical wear by usage, which conduct changes of its particles size distribution. The greater variation in particles size distribution, the greater the friability. This test method consists in the evaluation of a product friability by comparison of its particles size distribution before and after being processed through 20,000 cycles of Labosport Roller Infill equipment for simulated wear of performance infill.

Property	Test method	Condition		Variation
		New	*After wearing**	
Particle size	**EN 933-1**	**1.250 – 2.0 mm** *(10 – 16 mesh)*	**1.250 – 2.0 mm** *(10 – 16 mesh)*	**14 %****
Bulk density	**EN 1097-3**	**0.57 g/cm³** *(35.57 lb/ft³)*	**0.64 g/cm³** *(39.70 lb/ft³)*	**12 %**

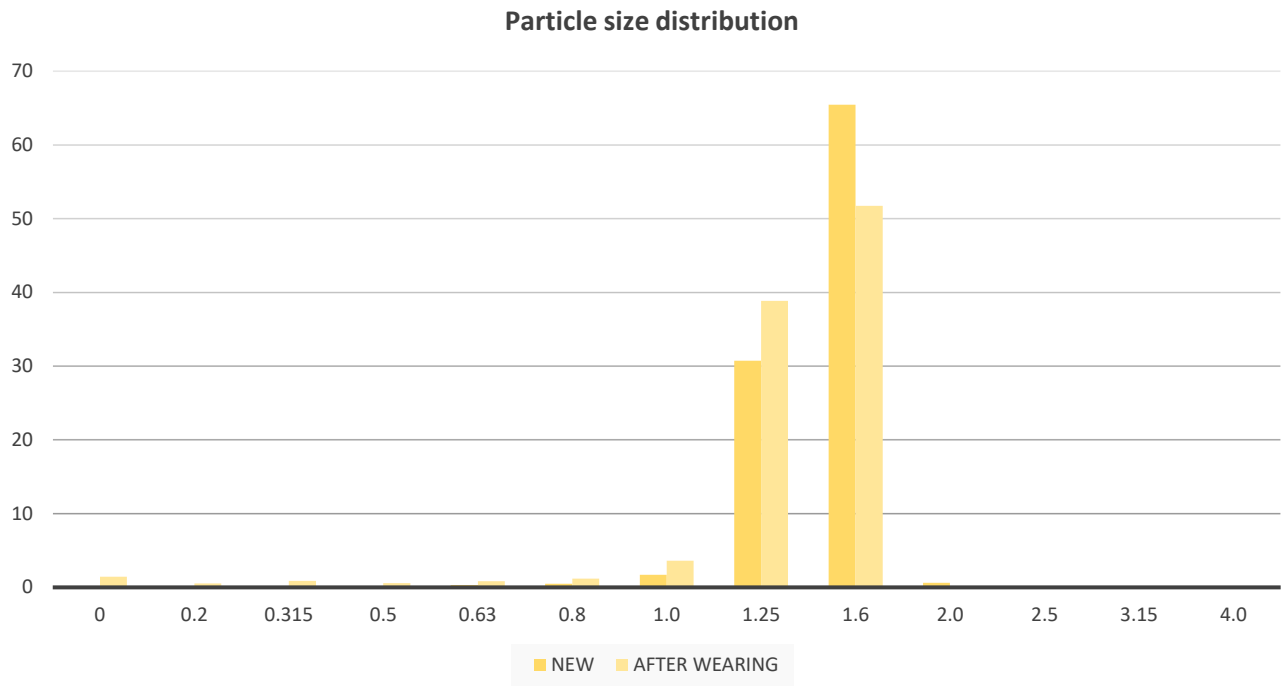
**After Labosport Roller Infill simulated wear following EN 15330-5-annex C test method*
***Sum of percentage losses of retained weights on largest sieves which have migrated towards the smaller sieves*



Variation (% retained per sieve)



New ***After wearing***



Particle size distribution

REPORTED BY

Laurent LACHAUSSÉE
(Sport Surfaces Engineer) - Writer

Maxime FAVÉ
(Director of Operations) – Writer/Approver