

## TEST REPORT

### Laboratory tests on an infill material for artificial turf system

Tests performed according to EN 14836 and ISO 20105-A02 standards

**Report Number** R21401CAN-A1

**Product** TTII Playsafe 65 Color Coated EPDM  
Target Technologies International Inc.

**Client** John B. Giraud  
Target Technologies International Inc., 8535 Eastlake Drive, Burnaby, BC V5A 4T7

**Date** October 26<sup>th</sup>, 2021

*This report contains 4 pages in total. Reproduction of this report is authorized only in its entire form. Results reported are valid only for the products tested. To declare the conformity (or not), the uncertainty of the results was not taken into account. Detailed results are available on request.*

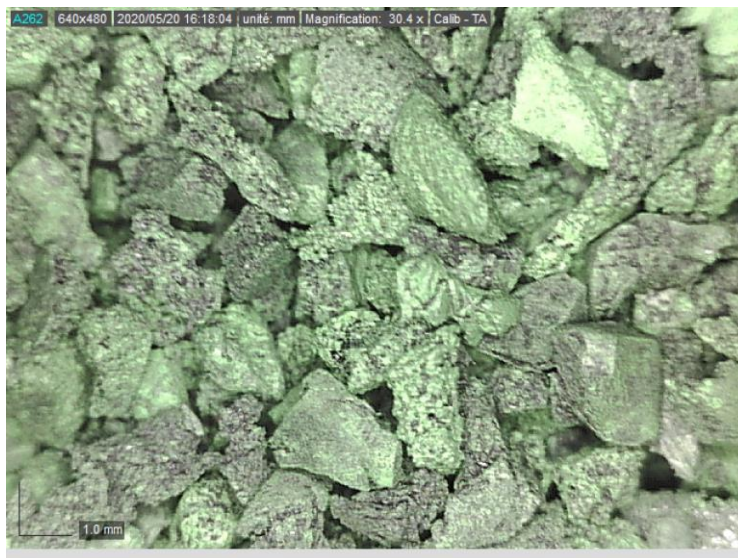
**LABOSPORT, THE WORLD LEADING SPORTS SURFACES EXPERT**

## INFORMATION

Product description	Performance infills for artificial turf system			
Product code/name	TTII Playsafe 65 Color Coated EPDM			
Sample number	US00371 / CAN003704			
Manufacturer	Flecks Manufacturing			
Supplier	Target Technologies International Inc.			
Date of reception	April 14 <sup>th</sup> 2020			
Date of the tests	April to November 2020			
Temperature	Min	23°C	Max	24°C
Humidity	Min	48 %	Max	50 %



US00371 / CAN003704 sample – General view

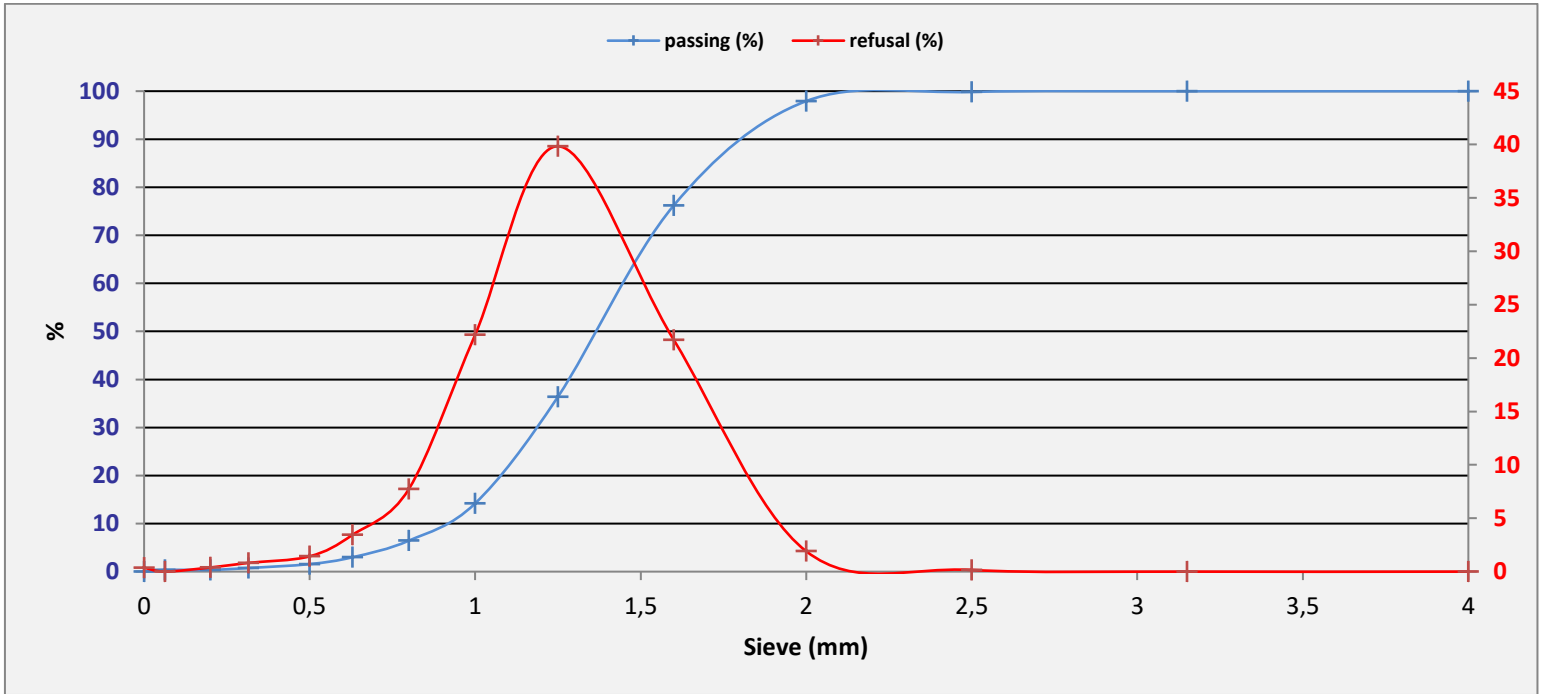


US00371 / CAN003704 sample – Microscopic view

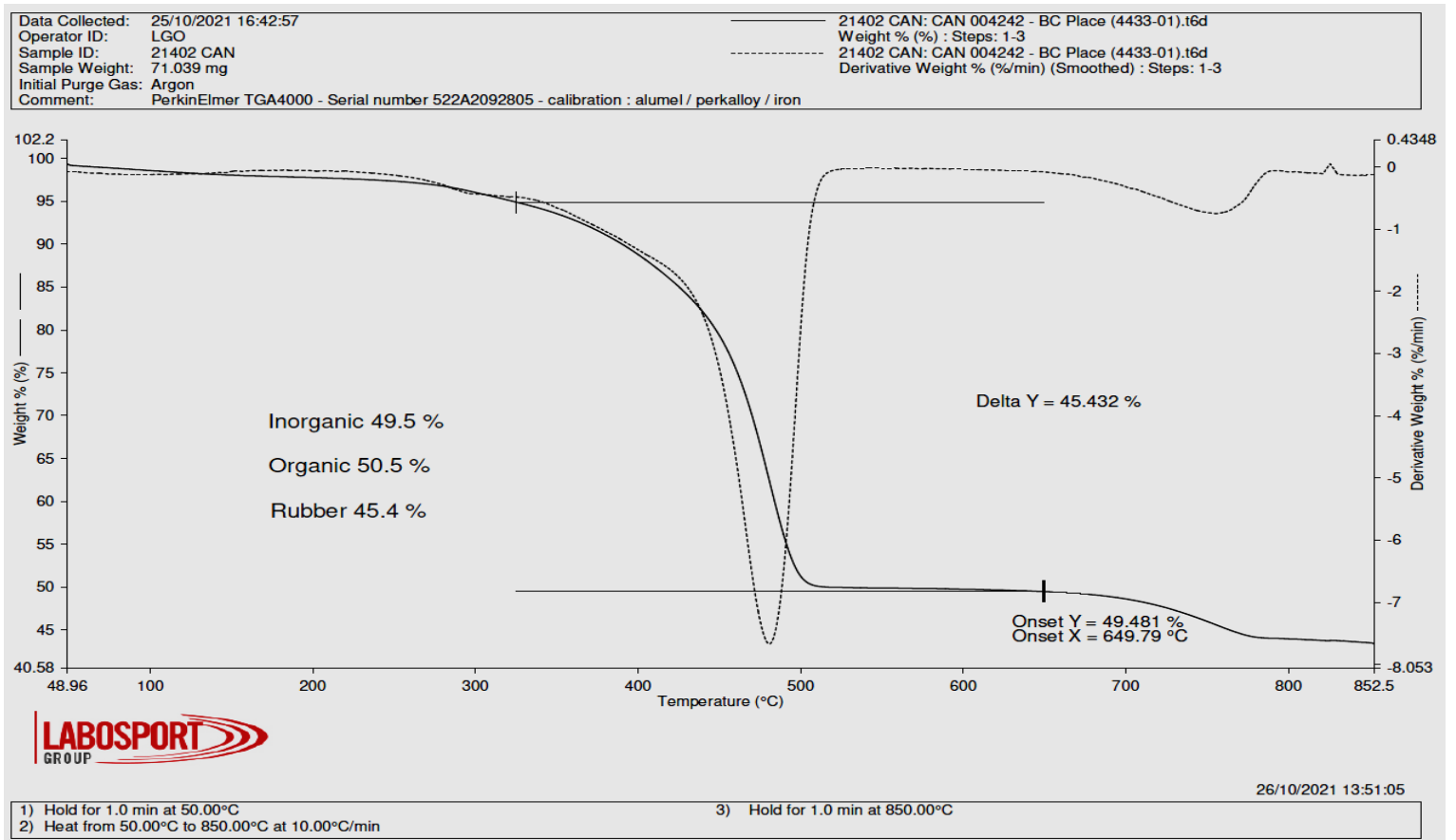
## IDENTIFICATION

Property	Test method	Condition	Units	Results
Particle size	EN 933-1	New	mm	0.8 – 2.0
Particle shape	EN 14955	New	-	Irregular – A2
Bulk density	EN 1097	New	g/cm <sup>3</sup>	0.44
Thermogravimetric Analysis	FIFA Test Method 11	New	% Organic	50.5
			% Inorganic	49.5
			% Elastomer	45.4

## Particle size distribution:



## ThermoGravimetric Analysis:



## UV WEATHERING

Property	Method	Condition	Units	Requirements		Result	Pass/Fail
				FIFA (2015 Manual)	World Rugby (2016 Manual)		
Color Change	EN ISO 20105-A02	After UV-A EN 14836 (5000h)*	Grey Scale Index**	≥ 3	≥ 3	4-5	Pass
Visual Aspect	Visual		-	No cracking or agglomeration	No cracking or agglomeration	No cracking or agglomeration	Pass

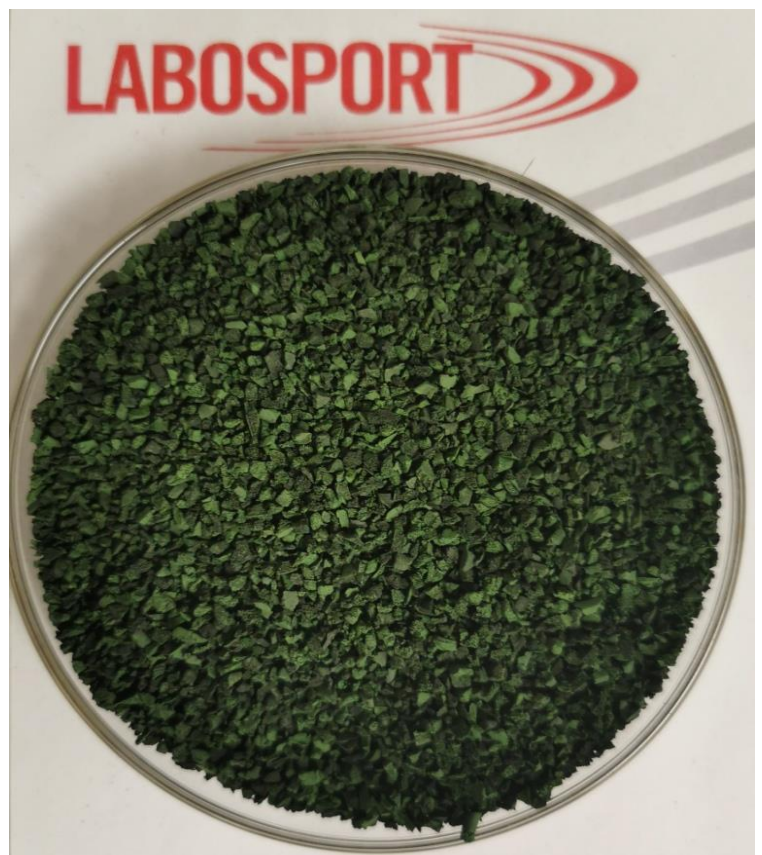
\*Weathering: UVA 340 nm (9600kJ or around 5000h)

\*\*Grey Scale: 1 – 1/2 – 2 – 2/3 – 3 – 3/4 – 4 – 4/5 – 5 (=No change)

### Pre/post ageing pictures:



Before UV ageing



After UV ageing

## RESULTS

**Maxime FAVÉ**  
(Laboratory Manager) – Writer

**Thomas Amadei, T.P.**  
(Laboratory Manager) – Writer/Approver