

# LABORATORY TESTING HEAVY METALS ANALYSIS



## Project Information

<b>Project Name</b>	TTII TRU-PLAY 57 COLORED EPDM Heavy Metals Analysis	<b>Job no.</b>	94782/5159s
<b>Client Information</b>	Target Technologies International Inc 8535 Eastlake Drive Burnaby, BC V5A 4T7		
<b>Date of Report</b>	June 5, 2019	<b>Sample Arrival</b>	May 17, 2019
<b>Report Status</b>	Final		
<b>Prepared by</b>	Megan Illsley Laboratory Director		
<b>Checked by</b>	Jeffrey Gentile Operations Director		

*Notes:*

1. This report has been prepared by Sports Labs USA 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.
2. This report is confidential to the Client and Sports Labs USA 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.
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### Standard / Regulation:

Heavy metals analysis required by the ASTM International Standard ASTM F963-11. The analytical method for each metal can be found in the results table below. Lead in Non-metal by method CPSC-CH-E1002-08.1

### Requirements:

Soluble metals have been tested with Test Method: ASTM International Standard ASTM F963-11, Section 8.3.2 to 8.3.5 (excluding 8.3.5.5(3)). The product shall comply with the Consumer Product Safety Improvement Act (CPSIA). Substrates of toys and other articles intended for children shall not have total lead content in excess of 0.0100 % (100 ppm).

### Results:

All results were tested at the criteria referenced above. Results can be found in subsequent sections below.

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## Results Tables:

Test Method: ASTM International Standard ASTM F963-11, Section 8.3.2 to 8.3.5 (excluding 8.3.5.5(3)). Lead in Non-metal by method CPSC-CH-E1002-08.1

Analyte	Analytical Method	CPSIA Limit	Sample Result (mg/kg)
Antimony - Sb	ASTM F963-11	60	< 0.5
Arsenic - As	ASTM F963-11	25	< 0.5
Barium - Ba	ASTM F963-11	1000	< 0.5
Cadmium - Cd	ASTM F963-11	75	< 0.5
Chromium - Cr	ASTM F963-11	60	< 0.5
Mercury - Hg	ASTM F963-11	60	< 0.02
Selenium - Se	ASTM F963-11	500	< 2
Lead - Pb	ASTM F963-11	90	< 0.5
Lead - Pb	CPSC-CH-E1002-08.1 (EPA 3050B:1996, EPA 3051A:2007, EPA 3052:1996)	100	< 40

mg/kg = milligram per kilogram

\*The suggested concentration is based on screening levels per Maximum levels of total metals permitted for MNCPPC synthetic turf components is Chromium  $2.3E+01$  ii (23 in standard notation). Substrates of toys and other articles intended for children shall not have total lead content in excess of 0.0100 % (100 ppm)

End of Report

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