

LABORATORY TESTING HEAVY METALS ANALYSIS



Project Information

Project Name	PLAY-SAFE 65 TRU-COLOR COATED EPDM Heavy Metals Analysis	Job no.	94881/5257
Client Information	Target Technologies International Inc 8535 Eastlake Drive Burnaby, BC V5A 4T7		
Date of Report	June 14, 2019	Sample Arrival	May 17, 2019
Report Status	Final		
Prepared by	Megan Illsley Laboratory Director		
Checked by	Jeffrey Gentile Operations Director		

Notes:

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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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