

LABORATORY TESTING HEAVY METALS ANALYSIS



Project Information

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|---------------------------|---|------------------------|----------------------|
| Project Name | TTII PRO-MAX 37 TPE EN 71-3 Infill Heavy Metals Analysis | | |
| Client Information | Target Technologies International Inc 8535 Eastlake Drive Burnaby BC V5A4T7 | | |
| Report Date | 8/14/2023 | Sample Received | 7/28/2023 |
| Job no. | 98743/8926 | Test Date(s) | 8/3/2023 – 8/13/2023 |
| Report Status | Final | | |
| Prepared by | Megan Illsley Laboratory Director | | |
| Checked by | Jeffrey Gentile Operations 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.
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 analysis was subcontracted to ChemServe Environmental Analysts, CPSC Third Party Accredited Laboratory #1160.
4. 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."

Standard / Regulation:

The STC suggests that any toxicological test and analysis of infill for synthetic turf fields be performed according to European Standard EN 71-3 – Safety of Toys Part 3: Migration of certain elements.

Requirements:

The target detection limits for each metal can be found in the results table below. The limits shown are per European Standard EN 71-3 – Safety of Toys Part 3: Migration of certain elements.

Results:

All results were found to be below the limit criteria referenced above.



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Results Table

| TTII PRO-MAX 37 TPE | | | |
|---------------------|---------------------------------|----------------|-------------|
| Analyte | *Target Detection Limit (mg/kg) | Result (mg/kg) | PASS / FAIL |
| Aluminum | 70,000 | < 1.00 | PASS |
| Antimony | 560 | < 1.00 | PASS |
| Arsenic | 47 | < 1.00 | PASS |
| Barium | 18,750 | < 1.00 | PASS |
| Boron | 15,000 | < 10 | PASS |
| Cadmium | 17 | < 1.00 | PASS |
| Chromium III | 460 | < 1.00 | PASS |
| Chromium VI | 0.2 | < 0.2 | PASS |
| Cobalt | 130 | < 0.5 | PASS |
| Copper | 7,700 | < 1.00 | PASS |
| Lead | 160 | < 1.00 | PASS |
| Manganese | 15,000 | < 1.00 | PASS |
| Mercury | 94 | < 0.02 | PASS |
| Nickel | 930 | < 1.00 | PASS |
| Selenium | 460 | < 1.00 | PASS |
| Strontium | 56,000 | 4.1 | PASS |
| Tin | 180,000 | < 1.00 | PASS |
| Zinc | 46,000 | < 2.00 | PASS |

*Limits per European Standard EN 71-3 – Safety of Toys Part 3: Migration of certain elements.

End of Report

