

LABORATORY TESTING HEAVY METALS ANALYSIS



Project Information

Project Name	Air Blown Infill Infill Heavy Metals Analysis F3188	Job no.	94551/4933
Client Information	Axial, a Westlake Company 210 Industrial Drive N Madison, MS 39110		
Date of Report	February 19, 2019	Sample Arrival	11/21/2018
Report Status	Final		
Prepared by	Megan Illsley Laboratory Director		
Checked by	Jeffrey Gentile Director of Operations		

Notes:

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Standard / Regulation:

ASTM F3188-16, Standard Specification for Extractable Hazardous Metals in Synthetic Turf Infill Materials

Requirements:

This specification relates to the amount of certain metals that have the potential to be extracted from synthetic turf infill materials if ingested. The time, temperature, and pH of the extraction fluid approximate the conditions the infill material would experience in the stomach during the digestive process. The levels of extractable metals are compared to maximum levels allowed in children's toys.

This specification applies to all materials (man-made or natural) that are intended for use as infill materials for synthetic turf sports surfaces.

Results:

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

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Results Table:

Analyte	Analytical Method	*Suggested Concentration Limit (mg/kg)	Sample Result (mg/kg)	PASS / FAIL
Antimony	ASTM F3188	60	< 5	PASS
Arsenic	ASTM F3188	25	< 2.5	PASS
Barium	ASTM F3188	1000	< 10	PASS
Cadmium	ASTM F3188	75	< 5	PASS
Chromium	ASTM F3188	60	< 5	PASS
Lead	ASTM F3188	90	< 5	PASS
Mercury	ASTM F3188	60	< 5	PASS
Selenium	ASTM F3188	500	< 10	PASS

*The suggested concentration limits shown are based on screening levels per ASTM F3188-16 Migration of Certain Elements. These limit have been included for reference and are not project specific.

End of Report

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