## LABORATORY TESTING HEAVY METALS ANALYSIS



## **Project Information**

Project Name	Air Blown Infill Infill Heavy Metals Analysis			
Client Information	Axial, a Westlake Company 210 Industrial Drive N Madison, MS 39110			
Date	February 19, 2019			
Job no.	94551/4933			
Report Status	Final			
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#### 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.
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### 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. The analytical method for each metal can be found in the results table below.

#### 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:

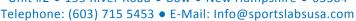
All results were found to be below the limit criteria referenced above.

## INFORMATION, ADVICE & KNOW-HOW: FROM THE SYNTHETIC SPORTS SURFACE EXPERTS













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### Results Table:

Analyte	Analytical Method	*Target Detection Limit (mg/kg)	Sample Detection Limit (SDL) Based Result	PASS / FAIL
Aluminum	NF EN ISO 11885	70,000	<2.5 mg/kg	PASS
Antimony	NF EN ISO 11885	560	<5 mg/kg	PASS
Arsenic	NF EN ISO 11885	47	<5 mg/kg	PASS
Barium	NF EN ISO 11885	18,750	<2.5 mg/kg	PASS
Boron	NF EN ISO 17294-1 et 2	15,000	<25 mg/kg	PASS
Cadmium	NF EN ISO 11885	17	<0.5 mg/kg	PASS
Chromium III	NF EN ISO 11885	460	<0.1 mg/kg	PASS
Chromium VI	NF T 90-043	0.2	<0.1 mg/kg	PASS
Cobalt	NF EN ISO 11885	130	<0.5 mg/kg	PASS
Copper	NF EN ISO 11885	7,700	0.75 mg/kg	PASS
Lead	NF EN ISO 11885	160	<0.5 mg/kg	PASS
Manganese	NF EN ISO 11885	15,000	<0.5 mg/kg	PASS
Mercury	NF EN 13506	94	<5 mg/kg	PASS
Nickel	NF EN ISO 11885	930	<0.5 mg/kg	PASS
Selenium	NF EN ISO 11885	460	<5 mg/kg	PASS
Strontium	NF EN ISO 17294-1 et 2	56,000	<0.5 mg/kg	PASS
Soluble Tin (Sn)	NF EN ISO 17294-1 et 2	180,000	<2.5 mg/kg	PASS
Soluble Organic Tin	NF EN ISO 17294-1 et 2	12	<2.5 mg/kg	PASS
Zinc	NF EN ISO 17294-1 et 2	46,000	<2.5 mg/kg	PASS

<sup>\*</sup>Limits per European Standard EN 71-3 – Safety of Toys Part 3: Migration of certain elements.

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