

Laboratory Test Report

EVERPLAY Pour-In-Place (Top Layer)

Job No.	99032/9484
Client Information	EVERPLAY Installation Inc. 18 Automatic Road, Brampton, ON, L6S 5N5
Outsource Laboratory Information	Chemserve Environmental Analysts 317 Elm St Milford, NH 03055
Test Method(s)	ASTM F3496-20 Standard Specification for Polyaromatic Hydrocarbon (PAH) Content in Synthetic Turf Infill
Report Status	Final
Report Date	4/2/2024
Sample Arrival Date	2/20/2024
Test Date(s)	3/13/2024-3/18/2024

Prepared by Adam Kalil
Laboratory Manager



Checked by Megan Illsley
Laboratory 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 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."



Monday, March 18, 2024

Megan Illsley
Firefly Sports Testing
78 Londonderry Tpke Unit D5
Hooksett NH 03106

Project Name: Brampton Ontario

Lab ID: 24020190

Project #:

Date Received: 2/23/2024

Project Location:

Control #: 24020190

Dear Megan Illsley

Enclosed please find the laboratory results applicable only to the above referenced samples as received by the Chemserve sample custodian. Samples must be accompanied by a chain of custody document that serves as the legal record of work ordered. Sample conditions upon receipt at the laboratory are recorded on the Sample Comment Summary attached.

All analyses adhere to quality standards established relevant accreditation programs and corresponding methodologies, including those related to hold times, sample containers and preservation, and handling techniques, unless otherwise stated within the report. ChemServe has a written QA/QC Procedure Manual that outlines these standards, and is available for reference upon request. Samples subcontracted for analysis are submitted to appropriately accredited laboratories and reported as such.

I certify that I have reviewed the above referenced analytical data, and I have found this report to comply with the procedures outlined within relevant accreditation programs as appropriate. Chemserve claims accreditation for only the analyses listed on certified parameter lists attached or located at <https://chemservelab.com/lab-documentation/>. Other testing may be reported as unaccredited work based on client requirements.



Dr. Jamie Fitzgerald PhD
President / Laboratory Director

Firefly Sports Testing
 Megan Illsley
 78 Londonderry Tpke Unit D5
 Hooksett NH 03106

Control #: 24020190
 Project Number:
 Project Name: Brampton Ontario
 Project Location:

Lab ID: 24020190
 Date: 3/18/2024

Lab ID: 24020190

Sample Receiving and Comment Summary

Were samples received with a chain of custody?	Yes
Do all samples received match the chain of custody?	Yes
Were all samples received within applicable holding times?	Yes
Were all containers intact when received?	Yes
Were samples for volatile organic analysis free of headspace (per method)?	N/A
Were samples received with evidence of cooling or on the day collected?	Yes
Were samples collected with appropriate preservative if required?	Yes
Were samples for dissolved metals filtered in the field?	N/A
Were samples for O-phos filtered in the field?	N/A
Were samples received in the appropriate containers?	Yes
Were samples acceptable per any temperature requirements?	Yes
Were samples received with a chain of custody?	Yes

Sample	Method	Client Identity	Matrix	Analyst
24020190-001	Extraction Semi-VOA BN	99302-Brampton Ontario EVERPLAY PIP-Top Layer	Turf	PaulW

Comment: no comment

* **Blank comment sections denote "No Comment"**

Firefly Sports Testing

Megan Illsley
 78 Londonderry Tpke Unit D5
 Hooksett NH 03106

Control #: 24020190
 Project Number:
 Project Name: Brampton Ontario
 Project Location:

Analytical Results

Lab ID: 24020190
 Date: 3/18/2024

Sample Number	Client Sample Identity
24020190-001	99302-Brampton Ontario EVERPLAY PIP-Top Layer

Parameter	Method	Result	Limit	Date Analyzed	Analyst
Benzo(E)Pyrene	ASTM F3496-20	< 0.50 mg/Kg		3/16/2024	PaulW
Benzo(J)Fluoranthene	ASTM F3496-20	< 0.50 mg/Kg		3/16/2024	PaulW
Benzo[A]Anthracene	ASTM F3496-20	< 0.50 mg/Kg		3/16/2024	PaulW
Benzo[A]Pyrene	ASTM F3496-20	< 0.50 mg/Kg		3/16/2024	PaulW
Benzo[B]Fluoranthene	ASTM F3496-20	< 0.50 mg/Kg		3/16/2024	PaulW
Benzo[K]Fluoranthene	ASTM F3496-20	< 0.50 mg/Kg		3/16/2024	PaulW
Chrysene	ASTM F3496-20	< 0.50 mg/Kg		3/16/2024	PaulW
Dibenz[A,H]Anthracene	ASTM F3496-20	< 0.50 mg/Kg		3/16/2024	PaulW
Sum of PAH	ASTM F3496-20	< 4.0 mg/Kg	20	3/16/2024	PaulW
Extraction PAH ASTM F3496-20	Extraction Semi-VOA BN			3/13/2024	PaulW

Chain of Custody No.
 Multiple COC's Yes No



317 Elm Street Milford, NH 03055
 (603) 673-5440/ Fax (603) 673-0366

CHAIN OF CUSTODY

A CUSTOMER INFORMATION			B PROJECT INFORMATION				C SAMPLE INFORMATION											
CUSTOMER: <u>Firefly Sports Testing</u> ADDRESS: <u>78 Londonderry Tpk Unit D5</u> CITY/STATE/ZIP: <u>Hooksett, NH 03106</u> TELEPHONE: <u>(603)715-5453</u> REPORT TO: <u>Megan Illsley</u> EMAIL TO: <u>megan@fireflysportstesting.com</u>			JOB NAME: <u>Brampton Ontario</u> JOB NUMBER: <u>99302</u> LOCATION: _____ INVOICE EMAIL: <u>megan@fireflysportstesting.com</u> INVOICE TO: <u>Megan Illsley</u> P.O. NUMBER: _____				TURNAROUND TIME: (CIRCLE ONE) <input checked="" type="checkbox"/> 10 DAY STANDARD <input type="checkbox"/> RUSH (MUST BE PRE-APPROVED) 7 day 5 day 4 day 3 day 2 day 1 day Same Day MCP <input type="checkbox"/> YES <input type="checkbox"/> GW1 <input type="checkbox"/> GW3 <input type="checkbox"/> NO <input type="checkbox"/> GW2											
STATION # ⑩	SAMPLE IDENTIFICATION & LOCATION ⑥		COLLECTED		SAMPLE GRAB TYPE ⑧	MATRIX ⑪ SOLID (S) GROUND WATER (G) DRINKING WATER (D) WASTE WATER (W)	COMP ⑨	# OF CONTAINERS ⑫	⑬ ANALYSIS									
	DATE ⑦	TIME ⑦	DATE ⑦	TIME ⑦	H	I	J											
	99302 - Brampton Ontario EVERPLAY PIP - Top Layer		2/22/24	15:00	bag	solid		1	ASTM F3496 PAH									
			DATE	TIME														
			DATE	TIME														
			DATE	TIME														
			DATE	TIME														
			DATE	TIME														
			DATE	TIME														
			DATE	TIME														
			DATE	TIME														
⑭ CUSTODY SAMPLER: <u>Adam Kalil</u> (print name) SIGNATURE: _____			DATE 2/22/24	MILITARY TIME 15:00	SAMPLE CHECK LIST: RECEIVED WITHIN HOLD TIME <input checked="" type="checkbox"/> YES OR NO RECEIVED IN GOOD CONDITION <input checked="" type="checkbox"/> YES OR NO TEMP BLANK <u>23</u> °C SHIPPED OR HAND DELIVERED SAMPLES WERE PROPERLY PRESERVED <input checked="" type="checkbox"/> YES NO N/A SAMPLES WERE FILTERED IN FIELD LAB <input checked="" type="checkbox"/> N/A IF NO EXPLAIN:				FIELD READING(S) & COMMENTS:									
RELINQUISHED: <u>Adam Kalil</u>			DATE 2/23/24	TIME 8:43														
RECEIVED:			DATE	TIME														
RELINQUISHED:			DATE	TIME														
RECEIVED FOR LAB: <u>K. Tyler</u>			DATE 2/23/24	TIME 8:43											GROUP # <u>24020190 318</u>			

CONTAINER AND PRESERVATIVE



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

CHEMSERVE ENVIRONMENTAL ANALYSTS
317 Elm Street
Milford, NH 03055
Heather Marmorstein Phone: 603 673 5440
heatherm@chemservelab.com

CHEMICAL

Valid To: August 31, 2025

Certificate Number: 2891.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform recognized EPA methods using the following testing technologies and in the analyte categories identified below on consumer and children’s products and materials used for their manufacture¹:

<u>Test Technology</u>	<u>Test Method(s)</u>
Elements in Paint, Metal Products, and Non-Metal Products by ICP (Ag, As, Ba, Cd, Cr, Cu, Pb, Ni, Sb, Se, Zn)	SW846/3052 (Extract) SW846/6010 (Analysis)
Elements in Polymeric Materials by XRF (Br, Cd, Cr, Hg, Pb)	ASTM F2617 CPSC-CH-E1002-08.1
Hg in Paint, Metal Products, and Non-Metal Products by AA	SW846/3052 (Extract) SW846/7471 (Hg)
Lead in Children’s Metal Products by ICP (including jewelry)	CPSC-CH-E1001-08.3 (Extract) EPA 6010 (Analysis)
Lead in Non-Metal Children's Products by ICP	CPSC-CH-E1002-08.3 (Extract) EPA 6010 (Analysis)
Lead in Paint and Surface Coatings by ICP	CPSC-CH-E1003-09.1 (Extract) EPA 6010 (Analysis)
Phthalates in Children’s Products by GC/MS	CPSC-CH-C1001-09.4 SW846/3546 (Extract) SW846/8270 (Analysis)
Standard Consumer Safety Specification for Toy Safety – Dissolved Metals in Toys by AA (Hg)	ASTM F963 Sect 4.3.5.2, 8.3 (Extract) SW846/7471 (Hg)
Standard Consumer Safety Specification for Toy Safety – Dissolved Metals in Toys by ICP (As, Ba, Cd, Cr, Sb, Se)	ASTM F963 Sect 4.3.5.2, 8.3 (Extract) EPA 6010 (Analysis)

¹The Consumer Product Safety Improvement Act (CPSIA) requires that every children's product subject to a federal consumer product safety requirement be tested by a Consumer Product Safety Commission (CPSC) accepted laboratory for compliance with the applicable federal children's product safety requirements. Accreditation by A2LA does not infer acceptance by the CPSC. Please verify this organization’s acceptance status by using the CPSC’s searchable database, located at <http://www.cpsc.gov/cgi-bin/labsearch/>.

Accredited Laboratory

A2LA has accredited

CHEMSERVE ENVIRONMENTAL ANALYSTS

Milford, NH

for technical competence in the field of

Chemical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 *General requirements for the competence of testing and calibration laboratories*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).



Presented this 10th day of January 2024.

A blue ink signature of Trace McInturff, written in a cursive style.

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 2891.01
Valid to August 31, 2025