

# LABORATORY TEST REPORT

## SUNFLEX EPDM RUBBER GRANULES PAH - 16

Specification(s) tested:  
EPA 8270C

Report Number: 97005-9315

Report Status: Final

Issue Date: 7/17/2025



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\*Some tests may not be within our current ISO 17025 scope of accreditation.

**REPORT CREATED BY**

**Gustavo Muñoz**  
**Laboratory Director**  
**7/17/2025**



**REPORT CHECKED BY**

**Kieran O'Donnell**  
**Director**  
**7/17/2025**



### Introduction

Analysis completed by SportsLabs Subcontract Laboratory.

### Test method

- EPA 8270C: PAH - 16

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### Product Details

System Details			
Project Number	97005	Sample Reference No.	9315
Product Name	Sunflex EPDM Rubber Granules		
Test date	7/11/2025	Date received	6/19/2025

We confirm that we stored a 200g sample, which will be retained as necessary.

### Test Result

PAH - 16 via EPA 8270C		
Result (ug/Kg)	Lowest Calibration Level	Sample Detection Level
< 660	660	660

**END OF REPORT**



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# LABORATORY TEST REPORT

## SUNFLEX EPDM RUBBER GRANULES HEAVY METAL

Specification(s) tested:  
DIN 18035-7

Report Number: 97005-9486

Report Status: Final

Issue Date: 7/10/2025



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**REPORT CREATED BY**

**Gustavo Muñoz**  
Laboratory Director  
7/10/2025



**REPORT CHECKED BY**

**Kieran O'Donnell**  
Director  
7/10/2025



## Introduction

Analysis completed by SportsLabs Subcontract Laboratory.

## Test methods

- **DIN 18035-7:** Analysis of Heavy Metals.

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## Product Details

System Details		Testing Conditions	
<b>Project Number</b>	97005	<b>Date received</b>	06/19/2025
<b>Product Name</b>	Sunflex EPDM Rubber Granules	<b>Sample Reference No.</b>	9486
<b>System Type</b>	Infill	<b>Ambient Temperature Range</b>	69.8 – 77.0 °F
<b>Test date</b>	6/27/2025	<b>Ambient Humidity</b>	40 – 60 %

- We confirm that we stored a 200g sample, which will be retained as necessary.**

## DIN 18035-7 Test Results

DIN 18035-7:2019-12 Sports Grounds – Part 7:Synthetic Turf Areas				
Test Parameter	Test Method	Requirement	Result	Pass/Fail
Dry Matter	DIN ISO 11465	%	98.9	PASS
EOX	DIN 38414-S17	≤ 100 mg/kg	3.61	PASS
Ph-Wert	DIN EN ISO 10523-C5	-	8.6	PASS
DOC (24hr)	BS EN 1484	≤ 50 mg/L	161	FAIL
DOC (48hr)	BS EN 1484	≤ 50 mg/L	84.0	
Lead	BS EN SO 11885	≤ 0.025 mg/L	0.0155	PASS
Cadmium	BS EN SO 11885	≤ 0.005 mg/L	< QL	PASS
Chromium	BS EN SO 11885	≤ 0.05 mg/L	< QL	PASS
Chromium VI	DIN 38405-D24	≤ 0.008 mg/L	< QL	PASS
Mercury	BS EN ISO 12846	≤ 0.00100 mg/L	< QL	PASS
Tin	BS EN SO 11885	≤ 0.040 mg/L	< QL	PASS
Zinc	BS EN SO 11885	≤ 0.500 mg/L	0.0391	PASS

< QL : Result below quantification limit (ie. below measuring capabilities of test apparatus)

**END OF REPORT**



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# LABORATORY TEST REPORT

SUNFLEX EPDM  
RUBBER GRANULES  
HEAVY METAL

Specification(s) tested:  
EN71-3



Report Number: 97005-9487

Report Status: Final

Issue Date: 7/10/2025

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**REPORT CREATED BY**

**Gustavo Muñoz**  
Laboratory Director  
7/10/2025



**REPORT CHECKED BY**

**Kieran O'Donnell**  
Director  
7/10/2025



## Introduction

Analysis completed by SportsLabs Subcontract Laboratory.

## Test methods

- **EN71-3:** Analysis of Heavy Metals.

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## Product Details

System Details		Testing Conditions	
<b>Project Number</b>	97005	<b>Date received</b>	06/19/2025
<b>Product Name</b>	Sunflex EPDM Rubber Granules	<b>Sample Reference No.</b>	9487
<b>System Type</b>	Infill	<b>Ambient Temperature Range</b>	69.8 – 77.0 °F
<b>Test date</b>	6/27/2025	<b>Ambient Humidity</b>	40 – 60 %

- We confirm that we stored a 200g sample, which will be retained as necessary.

## EN71-3 Test Results

EN71-3 Metals	Result	Lowest Calibration Level	Test Method	Sample Detection Level	Date
Chromium (VI)	PASS	0.2/0.053 (Scraped)	ICP-OES	0.2/0.053 (Scraped)	06-27-2025
Aluminum (Al)	< 30 mg/Kg	28,130	ICP-OES	28,130	06-27-2025
Antimony (Sb)	< 7 mg/Kg	560	ICP-OES	560	06-27-2025
Arsenic (As)	< 5 mg/Kg	47	ICP-OES	47	06-27-2025
Barium (Ba)	< 30 mg/Kg	18,750	ICP-OES	18,750	06-27-2025
Boron (B)	< 30 mg/Kg	15,000	ICP-OES	15,000	06-27-2025
Cadmium (Cd)	< 2 mg/Kg	17	ICP-OES	17	06-27-2025
Chromium (Cr) (III)	< 1 mg/Kg	460	ICP-OES	460	06-27-2025
Cobalt (Co)	< 10 mg/Kg	130	ICP-OES	130	06-27-2025
Copper (Cu)	< 10 mg/Kg	7,700	ICP-OES	7,700	06-27-2025
Lead (Pb)	< 9 mg/Kg	23	ICP-OES	23	06-27-2025
Manganese (Mn)	< 10 mg/Kg	15,000	ICP-OES	15,000	06-27-2025
Mercury (Hg)	< 7 mg/Kg	94	ICP-OES	94	06-27-2025
Nickel (Ni)	< 10 mg/Kg	930	ICP-OES	930	06-27-2025
Selenium (Se)	< 7 mg/Kg	460	ICP-OES	460	06-27-2025
Strontium (Sr)	< 30 mg/Kg	56,000	ICP-OES	56,000	06-27-2025
Tin (Sn)	< 8 mg/Kg	180,000	ICP-OES	180,000	06-27-2025
Zinc (Zn)	535 mg/Kg	46,000	ICP-OES	46,000	06-27-2025
Organic Tin	PASS	12	ICP-OES	12	06-27-2025

The sample submitted by the client passed EN71-3 testing requirements.

## END OF REPORT



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