

## TEST REPORT

### Laboratory test on an athletic track product

Tests performed according to DIN 18035-7 and US EPA 8270 Standard

**Report Number** R18007US-C1

**Product** BSS-200  
Beynon

**Client** Mike Gasparovic,  
Beynon Inc., 16 Alt Road, Hunt Valley Maryland 21030

**Date** March 2<sup>nd</sup>, 2018

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## INFORMATION

Product description	Poured in place athletic track product			
Sample number	US00068			
Product name	BSS-200			
Manufacturer	Beynon			
Date of reception	February 2018			
Date of tests	February 2018			
Lab temperature (°C)	MIN	22	MAX	24
Lab humidity (%)	MIN	49	MAX	51



Sample face view



Sample back view

## RESULTS

### Toxicology DIN 18035-7 (heavy metals by elution with water / lixiviation):

Parameters	Units	Test method	Results	Requirements	Pass/Fail
Lead	mg/L	DIN 18035-7	<0.010	< 0.025	Pass
Cadmium	mg/L	DIN 18035-7	<0.005	< 0.005	Pass
Total Chromium	mg/L	DIN 18035-7	<0.01	< 0.05	Pass
Tin	mg/L	DIN 18035-7	<0.010	< 0.040	Pass
Chromium VI	mg/L	DIN 18035-7	<0.008	< 0.008	Pass
Mercury	µg/L	DIN 18035-7	<0.1	< 1	Pass
Zinc	mg/L	DIN 18035-7	0.034	< 0.5	Pass
COD	mg/L	DIN 18035-7	6.4	< 50	Pass
EOX	mg/kg MS	DIN 18035-7	44.2	< 100	Pass

**Comment:** The analysis of infill material from sample **US00068 (BSS-200)** shows heavy metals concentrations under the limit therefore is **compliant** with DIN 18035-7 standard requirements.

## Toxicological analysis of PAH:

Element	Method of analysis	Units	Results
Benzo[a]pyrene (BaP)	US EPA 8270	mg/kg MS	0.53
Benzo[e]pyrene (BeP)	US EPA 8270	mg/kg MS	1.05
Benzo[a]anthracene (BaA)	US EPA 8270	mg/kg MS	0.91
Chrysene (CHR)	US EPA 8270	mg/kg MS	0.81
Benzo[j+b]fluoranthene (BbFA)	US EPA 8270	mg/kg MS	0.73
Benzo[k]fluoranthene (BkFA)	US EPA 8270	mg/kg MS	< 0.2
Dibenzo[a,h]anthracene (DBAhA)	US EPA 8270	mg/kg MS	< 0.2
Indeno[1,2,3-cd] pyrene	US EPA 8270	mg/kg MS	0.25
Benzo(ghi) perylene	US EPA 8270	mg/kg MS	1.90
Naphtalene	US EPA 8270	mg/kg MS	31.70
Acenaphtene	US EPA 8270	mg/kg MS	< 0.2
Acenaphthylene	US EPA 8270	mg/kg MS	0.73
Anthracene	US EPA 8270	mg/kg MS	0.43
Fluoranthene	US EPA 8270	mg/kg MS	4.64
Fluorene	US EPA 8270	mg/kg MS	0.31
Phenanthrene	US EPA 8270	mg/kg MS	2.56
Pyrene	US EPA 8270	mg/kg MS	15.70
Sum of PAHs	-	mg/kg MS	< 62.85

## REPORTED BY



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