



RESEARCH REPORT 1288/2021 NO.					
Principal:	Unirubber Sp. z o.o. Zielonka 19, 59-940 Węgliniec				
Register no:	1288_1	Number of samples:	1	Date of delivery:	18.03.2021
Order no:	-	Order no:	800.1.21.2104.8410.4		
Type of samples:	Water lift	Page:	1	Number of pages:	5

Water/wastewater analyses were carried out at the Laboratory according to the methods outlined below:

Leaching parameters		
Trait under study	Document/standards number	Status*
Zinc as Zn	PN-EN ISO 11885:2009 ICP-OES method	A
Cadmium as Cd	PN-EN ISO 11885:2009 ICP-OES method	A
Lead as Pb	PN-EN ISO 11885:2009 ICP-OES method	A
Nickel as Ni	PN-EN ISO 11885:2009 ICP-OES method	A
Chromium as Cr	PN-EN ISO 11885:2009 ICP-OES method	A
Arsenic as Ace	PN-EN ISO 11885:2009 ICP-OES method	A
Antimony as Sb	PN-EN ISO 11885:2009 ICP-OES method	A
Mercury as Hg	EPA Method 7473:2007 met. AAS with amalgamation technique	A
Chlorides as Cl ⁻	PN-EN ISO 10304-1:2009 + AC 2012 ion chromatography method	A
Fluoride as F ⁻	PN-78/C-04588/03 potentiometric method	A
Sulphates as SO ₄ ²⁻	PN-EN ISO 10304-1:2009 + AC 2012 ion chromatography method	A
Naphthalene	PN-EN ISO 17993:2005 HPLC-FLD method	A
Fenantren	PN-EN ISO 17993:2005 HPLC-FLD method	A
Anthracene	PN-EN ISO 17993:2005 HPLC-FLD method	A
Fluoranthene	PN-EN ISO 17993:2005 HPLC-FLD method	B
Chryzen	PN-EN ISO 17993:2005 HPLC-FLD method	B
Benzo(a)anthracene	PN-EN ISO 17993:2005 HPLC-FLD method	B
Benzo(b)fluoranthene	PN-EN ISO 17993:2005 HPLC-FLD method	A
Benzo(k)fluoranthene	PN-EN ISO 17993:2005 HPLC-FLD method	A
Benzo(a)pyrene	PN-EN ISO 17993:2005 HPLC-FLD method	A
Benzo(ghi)perylene	PN-EN ISO 17993:2005 HPLC-FLD method	A
Indeno(1,2,3-cd) pyrene	PN-EN ISO 17993:2005 HPLC-FLD method	A
Benzene	PN-ISO 11423-1:2002 HS-GC-FID method	A
Toluene	PN-ISO 11423-1:2002 HS-GC-FID method	A

* A - designation covered by the scope of accreditation

* B - designation not included in the scope of accreditation, meeting the requirements of PN-EN ISO/IEC 17025:2018-02

Gliwice, 31.03.2021

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RESEARCH REPORT 1288/2021
NO.

Release date: 31.03.2021 Page: 3 Number of pages: 5

Sample No.	Download date	Description of the sample provided by the purchaser
1288_1	-	EPDM granulate VIRGIN colour (water extract)

Trait under study	Unit	Sample no:			
		1288_1			
Zinc as Zn	mg/dm ³	0,011			
Cadmium as Cd	mg/dm ³	< 0,001			
Lead as Pb	mg/dm ³	0,014			
Nickel as Ni	mg/dm ³	< 0,001			
Chromium as Cr	mg/dm ³	< 0,001			
Arsenic as Ace	mg/dm ³	< 0,020			
Antimony as Sb	mg/dm ³	< 0,005			
Mercury as Hg	mg/dm ³	0,00007			
Chlorides as Cl ⁻	mg/dm ³	< 1,00			
Fluoride as F ⁻	mg/dm ³	< 0,100			
Sulphates as SO ₄ ²⁻	mg/dm ³	2,68			
Naphthalene	mg/dm ³	0,00002			
Fenantren	mg/dm ³	< 0,000005			
Anthracene	mg/dm ³	< 0,000005			
Fluoranthene	mg/dm ³	< 0,000005			
Chryzen	mg/dm ³	< 0,000005			
Benzo(a)anthracene	mg/dm ³	< 0,000005			
Benzo(b)fluoranthene	mg/dm ³	< 0,000005			
Benzo(k)fluoranthene	mg/dm ³	< 0,000005			
Benzo(a)pyrene	mg/dm ³	< 0,000001			
Benzo(ghi)perylene	mg/dm ³	< 0,000005			
Benzene	mg/dm ³	< 0,0001			
Toluene	mg/dm ³	< 0,0001			
o,m,p-xylenes	mg/dm ³	< 0,0001			

- result outside the scope of accreditation, meeting the requirements of EN ISO/IEC 17025:2018-02

Kowal

KIEROWNIK
Centralnego Laboratorium

Kwojnar

mgr Katarzyna Wojnar

INFORMATION ON THE EXECUTION OF THE ORDER

The dates on which each test was performed are traceable through the records available at the Laboratory.

The expanded uncertainty for a factor of $k = 2$ and a confidence level of 95% is provided upon request.

The analytical results relate only to the sample obtained under the conditions prevailing at the time of testing.

The tests were carried out at the Laboratory's permanent premises.

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Sample collected by the Principal and delivered in a plastic bag. Sample condition: good

Sampling plan: No data
available

Study objective:

Obtaining PZH approval

Determination of compliance with the specification:

Not applicable.

Preparation of the aqueous extract was carried out in the Department of Environmental Protection (Laboratory Complex):

The water extractor was made in accordance with EN 12457-4:2006

Liquid/solid ratio = 10 l/kg

Additional remarks: (deviations, limitations of the method, other important information)

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