



„Energopomiar” Sp. z o.o.
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Laboratorium Inżynierii Środowiska
CENTRALNE LABORATORIUM



AB 550

TEST REPORT No. 6486a/2025 rev. 1

Customer:	Unirubber Sp. z o.o. Zielonka 17, 59-940 Węgliń		
Sample no.:	6486_7	Number of samples:	1
		Date of receipt:	23.12.2025
Order no.:	ZAMZ_P/25/12/039		
Product tested:	Products made of synthetic materials and rubber		Page: 1/3

The Laboratory performed analysis according to methods listed below:

Batch test		
Parameter determined	No. of document/norm	Method
Zinc as Zn	PN-EN ISO 17294-2:2024-04	ICP-MS
Cadmium as Cd	PN-EN ISO 17294-2:2024-04	ICP-MS
Chromium as Cr	PN-EN ISO 17294-2:2024-04	ICP-MS
Nickiel as Ni	PN-EN ISO 17294-2:2024-04	ICP-MS
Lead as Pb	PN-EN ISO 17294-2:2024-04	ICP-MS
Arsenic as As	PN-EN ISO 17294-2:2024-04	ICP-MS
Antimony as Sb	PN-EN ISO 17294-2:2024-04	ICP-MS
Bar as Ba	PN-EN ISO 17294-2:2024-04	ICP-MS
Copper as Cu	PN-EN ISO 17294-2:2024-04	ICP-MS
Selenium as Se	PN-EN ISO 17294-2:2024-04	ICP-MS
Mercury as Hg	PN-EN 12846:2012	CVAAS
Chlorides as Cl ⁻	PN-EN ISO 10304-1:2009 + AC 2012	IC-CD
Fluorides as F ⁻	PN-EN ISO 10304-1:2009 + AC 2012	IC-CD
Sulphates as SO ₄ ²⁻	PN-EN ISO 10304-1:2009 + AC 2012	IC-CD
Dissolved organic carbon DOC	PN-EN 1484:1999	High-temp. combustion with IR det.
Naphthalene	PN-EN ISO 17993:2005	UHPLC-FLD
Anthracene	PN-EN ISO 17993:2005	UHPLC-FLD
Phenanthrene	PN-EN ISO 17993:2005	UHPLC-FLD
Benzo(b)fluoranthene	PN-EN ISO 17993:2005	UHPLC-FLD
Benzo(k)fluoranthene	PN-EN ISO 17993:2005	UHPLC-FLD
Benzo(ghi)perylene	PN-EN ISO 17993:2005	UHPLC-FLD
Benzo(a)pyrene	PN-EN ISO 17993:2005	UHPLC-FLD
Fluoranthene	PN-EN ISO 17993:2005	UHPLC-FLD
Chrysene	PN-EN ISO 17993:2005	UHPLC-FLD
Benzo(a)anthracene	PN-EN ISO 17993:2005	UHPLC-FLD
Toluene	PN-ISO 11423-1:2002	HS-GC-FID
o,m,p-xylenes	PN-ISO 11423-1:2002	HS-GC-FID
Ethylbenzene	PN-ISO 11423-1:2002	HS-GC-FID
Benzene	PN-ISO 11423-1:2002	HS-GC-FID

No. of sample:	Date of sampling	Sample description
6486_7	-	EPDM Virgin Kolor
-	-	-
-	-	-

Batch test				
Parameter determined	Unit	No. of sample:		
		6486_7	-	-
Zinc as Zn	µg/dm ³	366 ± 68	-	-
Cadmium as Cd	µg/dm ³	<0,50 (0,50±0,10)*	-	-
Chromium as Cr	µg/dm ³	<0,50 (0,50±0,13)*	-	-
Nickel as Ni	µg/dm ³	<1,0 (1,0±0,2)*	-	-
Lead as Pb	µg/dm ³	<0,50 (0,50±0,10)*	-	-
Arsenic as As	µg/dm ³	<1,0 (1,0±0,2)*	-	-
Antimony as Sb	µg/dm ³	<1,0 (1,0±0,2)*	-	-
Bar as Ba	µg/dm ³	142 ± 25	-	-
Copper as Cu	µg/dm ³	<0,50 (0,50±0,11)*	-	-
Selenium as Se	µg/dm ³	<1,0 (1,0±0,2)*	-	-
Mercury as Hg	µg/dm ³	0,030 ± 0,005	-	-
Chlorides as Cl-	mg/dm ³	66,0 ± 5,5	-	-
Fluorides as F-	mg/dm ³	0,26 ± 0,05	-	-
Sulphates as SO ₄ ²⁻	mg/dm ³	120 ± 14	-	-
Dissolved organic carbon DOC	mg/dm ³	12,2 ± 1,1	-	-
Naphthalene	µg/dm ³	0,042 ± 0,008	-	-
Anthracene	µg/dm ³	<0,005 (0,005±0,001)*	-	-
Phenanthrene	µg/dm ³	<0,005 (0,005±0,002)*	-	-
Benzo(b)fluoranthene	µg/dm ³	<0,005 (0,005±0,002)*	-	-
Benzo(k)fluoranthene	µg/dm ³	<0,005 (0,005±0,001)*	-	-
Benzo(ghi)perylene	µg/dm ³	<0,005 (0,005±0,001)*	-	-
Benzo(a)pyrene	µg/dm ³	<0,001 (0,0010±0,0003)*	-	-
Fluoranthene	µg/dm ³	<0,005 (0,005±0,001)*	-	-
Chrysene	µg/dm ³	<0,005 (0,005±0,001)*	-	-
Benzo(a)anthracene	µg/dm ³	<0,005 (0,005±0,001)*	-	-
Toluene	mg/dm ³	<0,0001 (0,00010±0,00001)*	-	-
o,m,p-xylenes	mg/dm ³	0,00030 ± 0,00001	-	-
Ethylbenzene	mg/dm ³	<0,0001 (0,00010±0,00002)*	-	-
Benzene	mg/dm ³	0,0006 ± 0,0001	-	-

number – Accredited test method (A), scope of accreditation No. AB 550

number – Non accredited test method (B) meeting the requirements of PN-EN ISO/IEC 17025:2018-02

* - lower limit of measuring scope method ± expanded uncertainty measurement for this value for a k = 2 coverage factor and the confidence level of 95 %

INFORMATION ABOUT ORDER'S EXECUTION

The date of each test is identifiable through the records available in the Laboratory.

The expanded uncertainty for a k=2 coverage factor and the confidence level of 95 % does not include the sampling.

The results apply solely to received sample under the test conditions.

The tests were performed at the "Energopomiar" permanent location.

Research instructions are available at "Energopomiar" office.

The sample data that may affect the validity of the results (including: description, subject of tests) and purchase order no. were provided by Client.

Sample was collected and delivered by the Customer in plastic bag. Sample condition: unreservedly

Dates of performance of the laboratory activity: 23.12.2025 - 13.01.2026

Sampling plan: no data

Sampling method: no data

Purpose of the test:
no data

Preparation of the water extract was done in the Environmental Engineering Laboratory: (accreditation No. AB 550).

The water extract was made in accordance with PN-EN 12457-2:2006

Liquid/solid ratio = 10 l/kg

Additional notes:

Report 6486a/2025 rev. 1 replaces report 6486a/2025 with the following change:

- correction of the sample description.

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Developed by

Bibianna Bartoszek

Authorized by

Gliwice, 24.02.2026

End of report