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## TEST REPORT

ÉMI-TÜV SÜD Kft.  
Central Laboratory  
KERMI Department  
Szentendre, 22/01/2025  
File No.: R-200320003619  
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**Name of Applicant:** **Nádland Kft.**  
**address:** H-1106 Budapest, Jászberényi u. 47/B.

**Date of application:** 06/01/2025

**Name of test samples:** 4 pieces of rubber sheets  
(Sample provided by the client.)

**Producer of tested samples:** Nádland Kft.

**Subject of application:** Test of PAH (Polycyclic Aromatic Hydrocarbons)  
in impact playground surfacing

**Receipt date of test samples:** 08/01/2025

**Testing period:** 13/01/2025 – 16/01/2025



Attention: The test results apply only to the tested samples. The test report may only be copied in its total volume, for making extracts the written approval of the issuer should be obtained.

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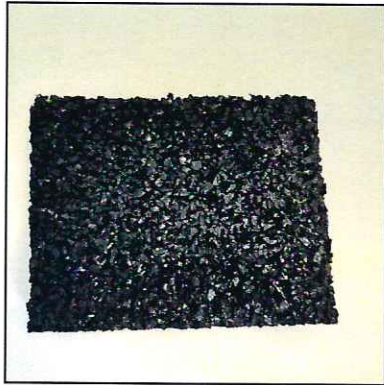
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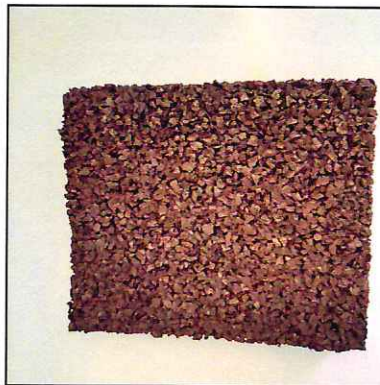
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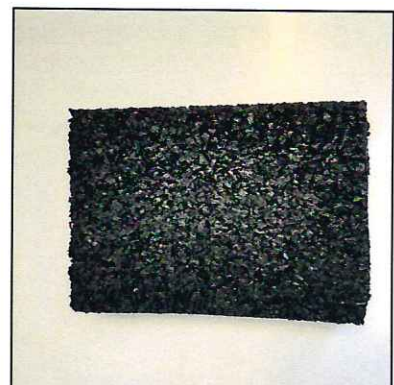
**Photos of the test samples:**



rubber sheets (black)



rubber sheets (burgundy)



rubber sheets (green)



rubber sheets (gray)

**Evaluation :**

**According to Commission Regulation (EU) 2021/1199 of 20 July 2021 amending Annex XVII to Regulation (EC) No 1907/2006**

PAH test	rubber sheets (black)	<b>PASS</b>
	rubber sheets (burgundy)	<b>PASS</b>
	rubber sheets (green)	<b>PASS</b>
	rubber sheets (gray)	<b>PASS</b>



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**Test results:****Polycyclic Aromatic Hydrocarbons (PAH)**

Test method: AfPS GS 2019:01 PAK

PAH	CAS No.	Test result [mg/kg]			
		rubber sheets (black)	rubber sheets (burgundy)	rubber sheets (green)	rubber sheets (gray)
<b>Benzo[a]pyrene</b>	50-32-8	<LOQ	2,52	1,38	1,55
<b>Benzo[e]pyrene</b>	192-97-2	<LOQ	3,42	2,17	2,42
<b>Benzo[a]anthracene</b>	56-55-3	1,06	1,86	0,74	<LOQ
<b>Benzo[b]fluoranthene</b>	205-99-2	1,66	2,64	1,14	<LOQ
<b>Benzo[j]fluoranthene</b>	205-82-3	<LOQ	<LOQ	<LOQ	<LOQ
<b>Benzo[k]fluoranthene</b>	207-08-9	<LOQ	1,10	<LOQ	<LOQ
<b>Chrysene</b>	218-01-9	<LOQ	<LOQ	<LOQ	<LOQ
<b>Dibenzo[a,h]anthracene</b>	53-70-3	<LOQ	<LOQ	<LOQ	<LOQ
<b>aggregate result:</b>		<b>2,72</b>	<b>11,54</b>	<b>5,43</b>	<b>3,97</b>

LOQ: Limit Of Quantification: 0.2 mg/kg / component



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**Requirements:** According to Commission Regulation (EU) 2021/1199 of 20 July 2021 amending Annex XVII to Regulation (EC) No 1907/2006

PAH	CAS No.	Requirement
Benzo [a] pyrene	50-32-8	$\leq 20 \text{ mg/kg}$ (sum of 8 PAHs)
Benzo[e]pyrene	192-97-2	
Benzo[a]anthracene	56-55-3	
Benzo [b] fluoranthene	205-99-2	
Benzo[j]fluoranthene	205-82-3	
Benzo [k]fluoranthene	207-08-9	
Chrysene	218-01-9	
Dibenzo [a,h] anthracene	53-70-3	

The tested samples are waste and accordingly are disposed.



ÉMI-TÜV SÜD Kft  
KEMI Osztály

**József Nagy**  
Expert

**Szilveszter Kárpáti**  
Testing Expert

**András Varjú**  
Head of department