



TEST REPORT NO 649254/26/MAL

Client ECOPLANK PROSTA SPÓŁKA AKCYJNA ul. Piękna 11/1 00-549 Warszawa		Sample (according to declaration of Client) Sample description: Composite profile ECOPLANK made of recycled plastics (PE, PP, ABS) Production date: 15.07.2026	
Sample reception date	16.07.2026	Sample status: no objections Sample number: 649254/26/MAL Sample received from the Client	
Start of analysis	21.07.2026		
End of analysis	07.08.2026		
Test report date	07.08.2026		

Test Method	Unit	Result	Criteria	Statement of conformity
* Migration of elements PN-EN 71-3+A2:2025-05 [ICP-MS] ²⁾ PN-EN 71-3+A2:2025-05				
Boron (B)	mg/kg	< 5,0	≤ 15000	Pass
Aluminum (Al)	mg/kg	< 5,0	≤ 28130	Pass
Total chromium (Cr)	mg/kg	< 0,02	-	-
Manganese (Mn)	mg/kg	< 0,50	≤ 15000	Pass
Cobalt (Co)	mg/kg	< 0,050	≤ 130	Pass
Nickel (Ni)	mg/kg	< 0,50	≤ 930	Pass
Copper (Cu)	mg/kg	< 0,50	≤ 7700	Pass
Zinc (Zn)	mg/kg	< 5,0	≤ 46000	Pass
Arsenic (As)	mg/kg	< 0,050	≤ 47	Pass
Selenium (Se)	mg/kg	< 0,50	≤ 460	Pass
Strontium (Sr)	mg/kg	< 5,0	≤ 56000	Pass
Cadmium (Cd)	mg/kg	< 0,050	≤ 17	Pass
Total tin (Sn)	mg/kg	< 0,20	≤ 180000	Pass
Antimony (Sb)	mg/kg	< 0,050	≤ 560	Pass
Barium (Ba)	mg/kg	< 5,0	≤ 18750	Pass
Mercury (Hg)	mg/kg	< 0,050	≤ 94	Pass
Lead (Pb)	mg/kg	< 0,050	≤ 23	Pass
* Content of Polycyclic Aromatic Hydrocarbons (PAHs) [GC-MS] ^{1) 6)} PB-235/GC ed. II of 13.01.2014				
Naphthalene [CAS: 91-20-3]	mg/kg	< 0,1	< 1	Pass
Acenaphthylene [CAS: 208-96-8]	mg/kg	< 0,1	-	-
Acenaphthene [CAS: 83-32-9]	mg/kg	< 0,1	-	-
Fluorene [CAS: 86-73-7]	mg/kg	< 0,1	-	-
Phenanthrene [CAS: 85-01-8]	mg/kg	< 0,1	-	-
Anthracene [CAS: 120-12-7]	mg/kg	< 0,1	-	-



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Fluoranthene [CAS: 206-44-0]	mg/kg	< 0,1	-	-
Pyrene [CAS: 129-00-0]	mg/kg	< 0,1	-	-
Benzo(a)anthracene [CAS: 56-55-3]	mg/kg	< 0,1	< 0,2	Pass
Chrysene [CAS: 218-01-9]	mg/kg	< 0,1	< 0,2	Pass
Benzo(b)fluoranthene [CAS: 205-99-2]	mg/kg	< 0,1	< 0,2	Pass
Benzo(k)fluoranthene [CAS: 207-08-9]	mg/kg	< 0,1	< 0,2	Pass
Benzo(j)fluoranthene [CAS: 205-82-3]	mg/kg	< 0,1	< 0,2	Pass
Benzo(e)pyrene [CAS: 192-97-2]	mg/kg	< 0,1	< 0,2	Pass
Benzo(a)pyrene [benzo(def)chrysene] [CAS: 50-32-8]	mg/kg	< 0,1	< 0,2	Pass
Indeno(1,2,3-cd)pyrene [CAS: 193-39-5]	mg/kg	< 0,1	< 0,2	Pass
Dibenzo(a,h)anthracene [CAS: 53-70-3]	mg/kg	< 0,1	< 0,2	Pass
Benzo(g,h,i)perylene [CAS: 191-24-2]	mg/kg	< 0,1	< 0,2	Pass
Sum of phenanthrene, anthracene, fluoranthene, pyrene ⁵⁾	mg/kg	below quantification limit	< 1	Pass
Sum of 15 PAHs ⁵⁾	mg/kg	below quantification limit	< 1	Pass

* # Content of polychlorinated biphenyls (PCB)
GC-MS/MS

PCB 28 [CAS: 7012-37-5] ³⁾	mg/kg material	Not detected	-	-
PCB 52 [CAS: 35693-99-3] ³⁾	mg/kg material	Not detected	-	-
PCB 101 [CAS: 37680-73-2] ³⁾	mg/kg material	Not detected	-	-
PCB 118 [CAS: 31508-00-6] ³⁾	mg/kg material	Not detected	-	-
PCB 138 [CAS: 35065-28-2] ³⁾	mg/kg material	Not detected	-	-
PCB 153 [CAS: 35065-27-1] ³⁾	mg/kg material	Not detected	-	-
PCB 180 [CAS: 35065-29-3] ³⁾	mg/kg material	Not detected	-	-
Sum of PCB	mg/kg material	Not detected	-	-

* Chromium VI and Chromium III content [HPLC-ICP-MS]²⁾
PN-EN 71-3+A2:2025-05

Chromium VI (Cr VI)	mg/kg	0,006 ± 0,001	≤ 0,053	Pass
Calculation of Chromium III (Cr III)	mg/kg	< 0,02	≤ 460	Pass

* Formaldehyde concentration in the extract [UV-VIS]⁴⁾
PN-EN 71-11:2007

Concentration of formaldehyde in an extract	mg/kg	< 0,5	≤ 2,5	Pass
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* Content of elements [ICP-MS]
PB-233/ICP ed. II of 15.11.2017

Cadmium (Cd)	mg/kg	< 0,5	-	-
Lead (Pb)	mg/kg	< 2,0	-	-

1) As total amount of PAHs, only those individual PAH content which is from 0,2 mg/kg and onwards will be calculated.

2) Limit values for materials of category III according to PN-EN 71-3+A2:2025-05 was used to assess the compliance.

3) LOD: 0,0005 mg/kg, LOQ: 0,001 mg/kg



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- 4) Limit values according to EN 71-9:2005+A1:2007 Safety of toys. Organic chemical compounds. Requirements. were used to assess compliance.
- 5) The limit of quantification for each analyte included in the sum is 0,1 mg/kg.
- 6) Limit values for materials of category I according to AfPS GS 2019:01 PAK were used to assess the compliance.

Test: Content of polychlorinated biphenyls (PCB) was performed in laboratory with an accreditation number STS 0038

Test report authorized by:

ID: 230, Senior Analysis Specialist, Non-Food and Packaging Laboratory

ID: 416, Analysis Expert, Non-Food and Packaging Laboratory

ID: 437, Analysis Expert, Cooperation with Laboratories Section

ID: 1409, Senior Analysis Specialist, Non-Food and Packaging Laboratory

The test report bears the certified electronic seal of J.S. Hamilton Poland Sp. z o.o.

Laboratory address:

Chwaszczyńska 180, 81-571 Gdynia

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THE END OF THE REPORT