

Laboratory of Food Hygiene, Nutrition and Usable Objects

Test report No. HŻ/837Q/21

VOIVODESHIP UNIT OF THE STATE SANITARY INSPECTION
IN SZCZECIN

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LABORATORY DIVISION

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AB 515

<i>Data obtained from the ordering party</i>	
Name and address of the ordering party:	KROL Filip Król ul. Zegadłowicza 16, 71-370 Szczecin
Sample collection protocol number:	Order of November 2, 2021
Sample taken by:	-
Place of sample collection:	-
Sampling methodology:	-
Date of sample collection:	-
Sample type/Sample size:	Shaker container with a capacity of 700ml with a screw cap and a stopper /10 pcs.

<i>Laboratory data:</i>	
Order number:	HŻ/837/21
Sample number:	HŻ/1042/S/PU/21
Date of receipt of the sample:	November 3, 2021
Sample Condition:	without comments
Test start/end date:	November 3, 2021 / November 18, 2021

Package description:**HŻ/1042/S/PU/21:** replacement – cardboard box and plastic bag**TEST RESULT:****Sample Description:**

General appearance	Reusable shaker-type container stained black with a white screw cap and a gold stopper (cork) with a capacity of 700ml and with the marked capacity. At the bottom of the container there is an embossed symbol of PP material, a sign of suitability for contact with food and recycling. Additionally, the manufacturer's logo and the information: „Shaker manufacturer ShakerX”. At the edge of the bottom: “Patent pending; BPA free; Registered design; non-toxic”. On the inside of the lid there is an embossed symbol of PP material, a sign of suitability for contact with food and recycling, on the outside there are logos with the manufacturer's name ShakerX. On the cap there is an embossed symbol of PE-LD material from the inside, a sign of suitability for contact with food and recycling, on the outside there are logos with the manufacturer's name ShakerX.
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Physical-chemical test

Sample number	Testing methodology	Tested feature/property	Test result ± uncertainty ¹⁾ (unit of measure)	Requirements ²⁾ (unit of measure)
HŻ/1042/S/PU/21	PN-EN 1186-9: 2006 (A) filling method	Global migration to: - 3% acetic acid (70°C, 2h) ^{a)}	After the 3rd migration sample 1 – less than 0.2mg/dm ² sample 2 – less than 0.2mg/dm ² sample 3 – less than 0.2mg/dm ² Average – less than 0.2mg/dm²	Global migration limit of no more than: 10mg/dm ² *
	PN-EN 1186-9: 2005 (A) filling method	- 10% ethanol (70°C, 2h) ^{a)}	sample 1 – less than 0.2mg/dm ² sample 2 – (0.5 ± 0.1)mg/dm ² sample 3 – (0.7 ± 0.1)mg/dm ² Average – (0.4 ± 0.1)mg/dm²	10mg/dm ² *
	PN-EN 1186-14: 2005 (A) filling method	- isooctane (40°C, 30min) ^{a)}	sample 1 – (1.4 ± 0.3)mg/dm ² sample 2 – (1.6 ± 0.3)mg/dm ² sample 3 – (1.9 ± 0.3)mg/dm ² Average – (1.6 ± 0.3)mg/dm²	10mg/dm ² *
	DIN 10955: 2004 (N) sensory method	Transmission of smell and taste by direct contact (2h, 23°C ± 2°C) – drinking water	Smell: very faint change Taste: very faint change	The product does not deteriorate the organoleptic properties of food **

¹⁾ uncertainty value: represents the expanded uncertainty with a confidence level of 95% and coverage factor k = 2; does not include uncertainty related to sampling.

^{a)} Contact area: 4.72 dm²; volume 700ml

Parameter	Limit of detection (LOD)	Limit of quantification (LOQ)	Uncertainty %
Global migration	0.08mg/dm ²	0.2mg/dm ²	18.5

²⁾ Legal basis:

* Commission Regulation (EU) No. 10/2011 of January 14, 2011 (Journal of Laws UE L 12 of January 15, 2011, as amended)

** Regulation (EC) No. 1935/2004 of the European Parliament and of the Council of October 27, 2004 on materials and articles intended to come into contact with food (Journal of Laws UE L 338/4 of November 13, 2004, as amended).

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5. The Laboratory is not responsible for the collection and transportation of samples for testing.
6. The tests in this report meet the requirements of the PN-EN ISO/IEC 17025 standard, marked with the letter A – accredited, included in the scope of PCA accreditation No. AB 515 edition No. 25 of July 21, 2021: marked with the letter N – non-accredited

Date of the Report: November 22, 2021

Authorized by:

[handwritten:

[date: November 22, 2021]

[signature: [illegible]]

Date and Signature

Approved by:

[stamp: HEAD

Laboratory of Food Hygiene, Nutrition and Usable Objects

LABORATORY DEPARTMENT IN SZCZECIN

[illegible] State Sanitary Station in Szczecin

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Date and Signature

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